



Mitsubishi Graphic Operation Terminal GOT2000 Series





Graphic Operation Terminal



The Mitsubishi Electric
Graphic Operation Terminal GOT2000 series
continues to impress with solutions
that fulfill all demands.

The GOT2000 boasts advanced functionality, acts as a seamless gateway to other industrial automation devices, all while increasing productivity and efficiency.

The high quality display is designed to optimize operator control and monitoring of device and line statuses. If you are looking for an intuitive operation terminal, the new tablet-like operability and the higher functionality of operation terminal makes the GOT2000 the ideal choice.

Incorporate the GOT2000 to bring forth flexibility, productivity, and quality on a global scale.

Your window to better production control



Graphic Operation Terminal

CONTENTS

04 | Line up

1110

76 Features

H/W Introductions

GOT2000 Features

GT Works3 Features

22 Functions

An Easy and Flexible HMI Solution

Powerful Remote Access Options

Perfectly Complemented by SoftGOT

34 | FA Solutions

42 | Specifications

68 | Product list

74 | Support

Specification

Product list

Suppor

The GOT2000 inherits all the features of our popular GOT1000 series, and introduces a more refined and advanced function set. The powerful and flexible lineup includes GOTs with various features and communication options to tackle any application you may encounter.

GT27

Ethernet RS-232 RS-422/485 Bus MELSECNET/H

CC-Link IE

CC-Link

Advanced model with multi-touch gesture functions

15 inch



XGA GT2715-XTBA Resolution: 1024×768 Display color: 65536 colors

12.1 inch



SVGA GT2712-STBA GT2712-STBD GT2712-STWA GT2712-STWD

Resolution: 800×600 Display color: 65536 colors

GT25-

Ethernet RS-232 RS-422/485 Bus MELSECNET/H CC-Link IE

CC-Link

High performance, cost efficient, mid-range model

12.1 inch NEW



SVGA GT2512-STBA GT2512-STBD Resolution: 800×600 Display color: 65536 colors 10.4 inch



VGA GT2510-VTBA GT2510-VTBD GT2510-VTWA GT2510-VTWD

Resolution: 640×480 Display color: 65536 colors

GT21

Compact model with basic functions

3.8 inch NEW

Ethernet

RS-232

RS-422/485



GT2103-PMBD GT2103-PMBDS Resolution: 320×128 Display color: Monochrome (black/white) 32 shade grayscale Backlight: 5-color LED (white/green/pink/orange/red)



Compliant with safety standards including UL Standards, shipping standards (to be obtained soon), and radio laws. For inquiries relating to the status of conforming to UL, cUL, and CE directives and shipping directives, please contact your local sales office.

Multi-touch Gesture

Multi-media*

Video/RGB*

Sound output

External I/O * Not supported by 5.7 inch model.

10.4 inch



GT2710-STBA GT2710-STBD

GT2710-VTWD

Resolution: 800×600 Display color: 65536 colors

GT2710-VTBA GT2710-VTBD GT2710-VTWA

Resolution: 640×480 Display color: 65536 colors 8.4 inch

5.7 inch Coming soon



SVGA

VGA

GT2708-STBA GT2708-STBD

GT2708-VTBA GT2708-VTBD Resolution: 800×600 Display color: 65536 colors

Resolution: 640×480 Display color: 65536 colors



VGA

GT2705-VTBD

Resolution: 640×480 Display color: 65536 colors

Sound output

External I/O

8.4 inch



GT2508-VTBA GT2508-VTBD GT2508-VTWA GT2508-VTWD

Resolution: 640×480 Display color: 65536 colors

Ethernet RS-232

RS-422/485

Unchallenged cost performance

10.4 inch 8.4 inch





GT2310-VTBA GT2310-VTBD

Resolution: 640×480 Display color: 65536 colors



GT2308-VTBA GT2308-VTBD

Resolution: 640×480 Display color: 65536 colors

Turn your personal computer into a GOT! SoftGO'

GOT2000 compatible HMI software

GT SoftGOT 2000 Version 1

GT SoftGOT2000 is an HMI software that allows GOT2000 functions to operate on a personal computer or panel computer.

Resolution: 640 to 1920 × 480 to 1200 Display color: 65536 colors

* GT SoftGOT2000 Version1 is included with GT Works3. A separate license key must be mounted during use.





Advanced model with multi-touch gesture functions

- 65K color TFT LCD display available in the following screen sizes: 8.4", 10.4", 12.1" and 15"
- Tablet like gesture functionality and multi-media features create an intuitive user experience
- Communication interfaces such as Ethernet, RS-422/485, USB host/device and SD memory card are standard features
- High capacity data processing ensure smooth screen operation even when multiple tasks, such as logging, script, alarm, or device data transfer, are running



Standard model

G012000

Human sensor

The unit automatically detects an operator approaching the unit and displays the screen. When no one is around, the backlight turns off to save energy.

* 15" and 12.1" only

USB device

Transfer data without opening the cabinet.

USB host

Transfer screen data or read the data to or from the GOT using the USB memory.

A USB mouse and keyboard connection is also supported.

Simple design

The stylish and simple design with a linear motif is sleek and complements any machine design.

LED backlight

The long life cycle minimizes maintenance and replacement costs.

Extension interface

Communication and option units can be installed.

Ethernet

Use Ethernet to simultaneously connect to up to four types of PLCs from different manufacturers.

RS-232

Connect to various industrial devices, barcode readers and serial printers.

RS-422/485

Easily connect to various industrial devices.

SD card slot

Save large volumes of data. including alarms and logging data.

Side interface

Mount a wireless LAN communication module.

USB host

Save the alarm and logging data by connecting a USB memory stick. A USB mouse and keyboard

connection is also supported.

USB device

Connect to a personal computer and transfer data. * The white model only

GT27

White model

0

* Back side is the same as the standard model

G002000

Human sensor

The unit automatically detects an operator approaching the unit and displays the screen. When no one is around, the backlight turns off to save energy. * 12.1" only

Simple design

In the same way as the standard model, the stylish and simple design with a linear motif is sleek and complements any machine design.

Flat body

The front flat screen is easy to clean. (USB interface is on the back.)

White body

The white model portrays a clean image.



High performance, cost efficient, mid-range model

- 65K color TFT LCD display available in the following screen sizes: 8.4", 10.4", and 12.1" ► NEW
- Communication interfaces such as Ethernet, RS-422/485, USB host/device and SD memory card are standard features
- High capacity data processing ensure smooth screen operation even when multiple tasks, such as logging, script, alarm, or device data transfer are running



Standard model

0000

Simple design

The stylish and simple design with a linear motif is sleek and complements any machine design.

USB device

Transfer data without opening the cabinet.

USB host

Transfer screen data or read the data to or from the GOT using the USB memory.

A USB mouse and keyboard connection is also supported.

LED backlight

The long life cycle minimizes maintenance and replacement costs.

Extension interface

Communication and option units can be installed.

Ethernet

Use Ethernet to simultaneously connect to up to four types of PLCs from different manufacturers.

RS-232

Connect to various industrial devices, barcode readers and serial printers.

RS-422/485

Easily connect to various industrial devices.

SD card slot

Save large volumes of data, including alarms and logging

Side interface

Mount a wireless LAN communication unit.

USB host

Save the alarm and logging data by connecting a USB memory stick. A USB mouse and keyboard

connection is also supported.

USB device

Connect to a personal computer and transfer data. * The white model only

GT25

White model

Appr

* Back side is the same as the standard model

Simple design

In the same way as the standard model, the stylish and simple design with a linear motif is sleek and complements any machine design.

Flat body

The front flat screen is easy to clean. (USB interface is on the back.)

White body

G012000

The white model portrays a clean image.

Unchallenged cost performace

- 65K color TFT LCD display available in the following screen sizes: 8.4" and 10.4"
- Communication interfaces such as Ethernet, RS-422/485, USB host/device and SD memory card are standard features
- Advanced features such as data logging, multi-channel communication and FA transparent function are supported



GT23 Standard model



The simple design with a linear motif is sleek and complements any machine design.

The long life cycle minimizes maintenance and replacement costs.

Use Ethernet to simultaneously connect to up to two types of PLCs from different manufacturers.

Connect to various industrial devices, barcode readers and serial printers.

RS-422/485

Easily connect to various industrial devices.

Save large volumes of data, including alarms and logging

USB host

Save the alarm and logging data by connecting a USB memory stick. A USB mouse and keyboard connection is also supported.

USB device

Connect to a personal computer and transfer data.

NEW

Small screen, big possibilities

- Monochrome (black/white), 32 shade grayscale TFT LCD display available in the following screen size: 3.8"
- 320x128 dot high-resolution LCD, four times higher resolution than conventional model (GT1020)
- 5-color LED backlight (white, green, pink, orange, red)
- Ethernet interface (GT2103-PMBD only)
- Advanced features such as data logging, multi-channel communication and FA transparent function are supported



Display...... Monochrome (black/white), 32 shade grayscale TFT LCD display, 3.8"

Resolution 320x128 dots

Backlight 5-color LED (white, green, pink, orange, red)

User memory Memory for storage (ROM): 3MB

Standard interface ········· GT2103-PMBD : Ethernet, RS-422/485 GT2103-PMBDS : RS-232, RS-422/485

All models : USB device 1ch

(Full-Speed 12Mbps)



High-definition LCD with changeable color backlight

GT2103 is equipped with an easy to see, compact high-resolution TFT LCD with 32 gray scales. The intuitively understandable 5-color backlight offers choices of backlight color and backlight blink according to machine operation state.

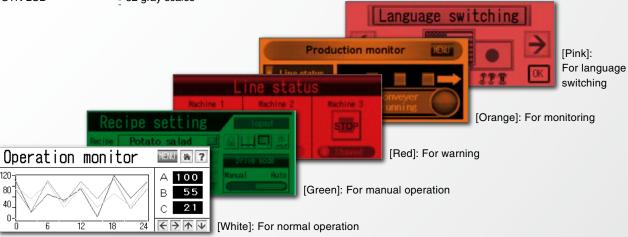
The backlight can also be controlled from the connected PLC (screen color change and backlight ON/OFF/blink).



Same compact type, but so much clearer!

GT1020 Monochrome (black/white) STN LCD GT2103 Monochrome TFT LCD with 32 gray scales

[Backlight color and screen example]

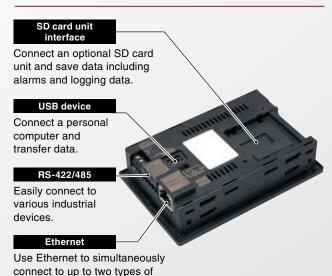


Ethernet type

PLCs from different

manufacturers.

GT2103-PMBD

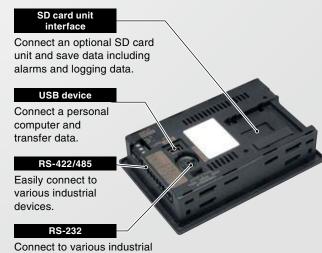


Serial type

GT2103-PMBDS

devices, barcode readers and

serial printers.



GOT2000 - Designed to meet your industrial automation needs.

High-speed processing

Easily operate the screens even during high-load processing, such as logging, script, alarm or device data transfer.

(GT16 \rightarrow GT27: monitor performance is 2-fold or more higher)

Comparison of GT27/GT16 monitor performance <GT16> <GT27> 2-fold or higher

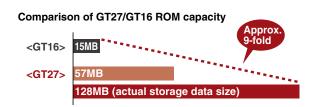
Monitor performance

High

Increased memory capacity

Design screens without worrying about the data capacity. The product data compression technology allows up to 128MB of actual space to be used without an SD card. (GT27)

* An SD card may be required depending on the project.



Enhanced lineup

The new GOT2000 is suitable for applications in any industry.

The GT27, GT25 white model provides an additional color option, and the flush frame without the USB port can be cleaned very easily.

The GOT can be installed vertically for extra flexibility when installed in confined spaces.

Logo/
red line are removable

Vertical display is also available for the white model, which is ideal for food machineries!
The 12.1 inch, 10.4 inch, or 8.4 inch model can display plentiful information in slim operation panels!

Mounting to narrow operation panels and downsizing of operation panels are available at last!

* GT21 models should be rotated by 90 degrees to the right.

Graphic Operation Terminal

Use multi-touch gestures to operate your GOT in a more natural way!



Screen Gestures

Zoom in to easily operate small and hard to reach switches. After zooming in, scroll the display to show the area you want to operate.



Object Gestures



GT27 only

GT27 only

Specify an object to be enlarged, scrolled or flicked.

- <Target objects>
- Historical data list display
- · Alarm display (user)
- Alarm display (system)

- · Simple alarm display
- Historical trend graph
- Document display



2-point press operation prevents incorrect operations



Prevent accidental operations by designating two pressing points for critical operations.

GT27 only

<Before>

2-point pressing switch was prepared separately





<GOT2000> You only need the GOT!



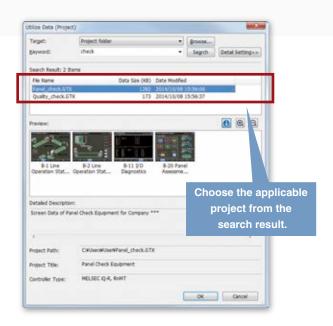
Professional Designs in Just a Few Clicks

The GOT2000 introduces an efficient approach to reuse previously created screen designs.



Reuse previous projects

Use keyword search to find and reuse existing projects or sample projects, minimizing engineering time spent on screen design.







Variety of reusable sample projects Upgrade

GOT2000 has many sample projects that can be used when designing screens. (English, Japanese, Chinese [Simplified]) Just select a sample and apply it to your screen.







Graphic Operation Terminal GOTEOO

GOT Screen Design Software MELSOFT GT Works 3+plus





Reuse previous screens

Settings associated with a previous project, such as comment data, logging settings, etc., can be easily applied to a new project.





For details, please refer to the GT Works3 Catalog (L (NA) 08170ENG).

Programmable controller



Simple motion NEW



Q Motion NEW

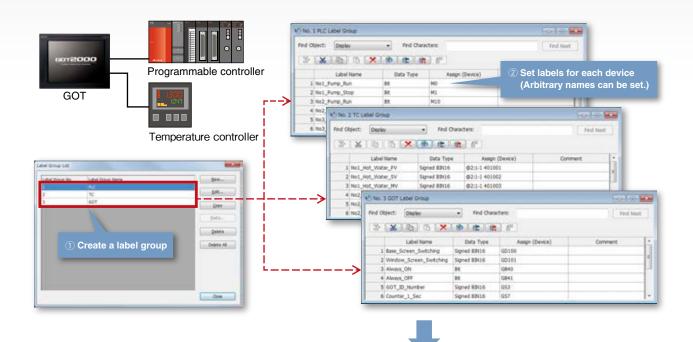
fen.	TAUR	2Am	SAH	€.Ricop
Motor Speed	-15 c/a/s	0.0km	Q rybini	Oxfeld
Sective Load Flato	0.5	0.3	0.3	0.8
Regenerative Local Robin	0.1	0.2	0.4	0.3
Peak Load Ratio	0.8	0 %	0 1	0 %
ten.	SAria	GAIIS.	7Am	EA:n
Motor Speed	Gulano	Qu/an	O rotation	CANA.
Effective Load Ratio	0.5	0.5	0.1	0.5
Properiorism Lond Retio	0.1	0.3	0 1	0.5
Pesk Load Ratio	0.5	0.5	0.1	0.5
			- 1	

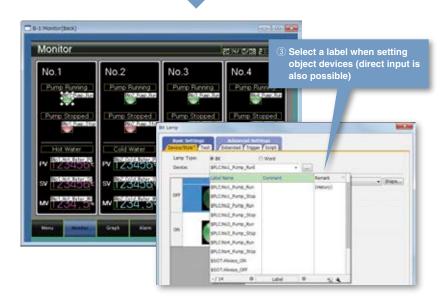
Labels for easy to understand screen design

A new screen design style without worrying about actual devices

Use the Label function to design screens without worrying about actual devices **■■■**

Instead of using devices, use easy-to-understand names (label names) to create screens. Not only Mitsubishi programmable controller devices, but also third party controller devices and GOT internal devices can be assigned to labels. The labels can easily be managed by defining label groups for each controller and screen.





GOT Screen Design Software MELSOFT GT Works 3+plus

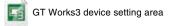
Quickly set labels/devices with "Input Assist"! Upgrade



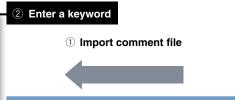
When setting your labels NEW /devices, "Input Assist" provides a list of applicable labels NEW /devices, complete with label comments **NEW**, device comments, and device definitions.

<Example of devices>





<Example of device comments>



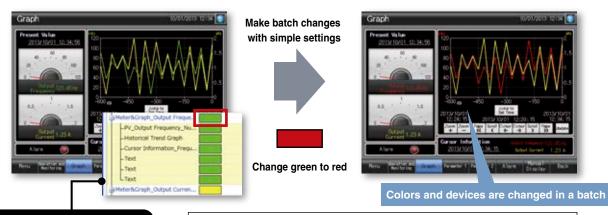






Use templates to greatly reduce your screen creation time!

Customize each template to the desired look-and-feel, ranging from color options to device selection. Attributes such as devices and colors can be set for each template. You can easily change devices and colors by associating each object with the template's attribute.



Template attributes (color)

- · Historical trend graph line color
- Character string character color
- · Numerical display value color

- Items that can be registered in templates Figures, objects
- Attributes that can be registered and changed in templates

Devices (bits, words), numerical values, text, colors, figures, fonts, font size

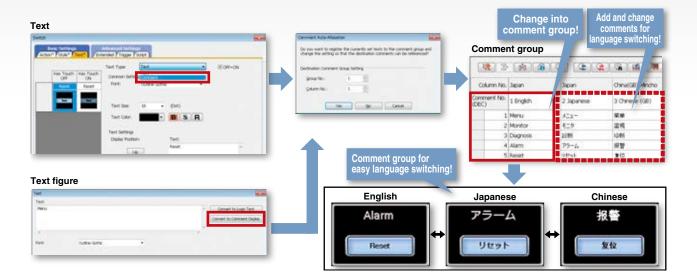
Maintain screens more efficiently

Quickly and simply correct existing screens using various functions

Easily create multi-language screens! NEW



The character strings of switches and lamps can easily be converted from the Text or Text Figures into Comments. This makes it easy to upgrade screens to display multiple languages.

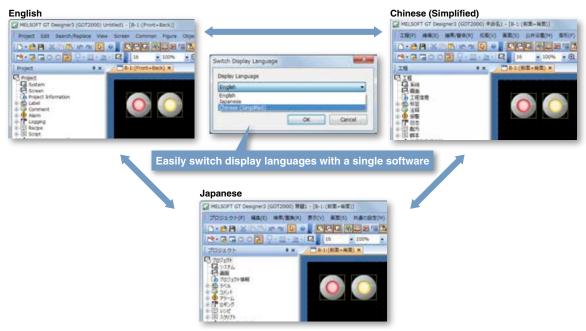


Useful for maintenance abroad! NEW



The display language of the GT Works3 menu bar, dialog, and others can be switched. When maintaining the data abroad, away from where you created the data, the data editing work can be done smoothly by selecting a preferred language by the user.

* The GOT1000 series does not support multiple languages. It is recommended to purchase GT Works3 of the language to be used.



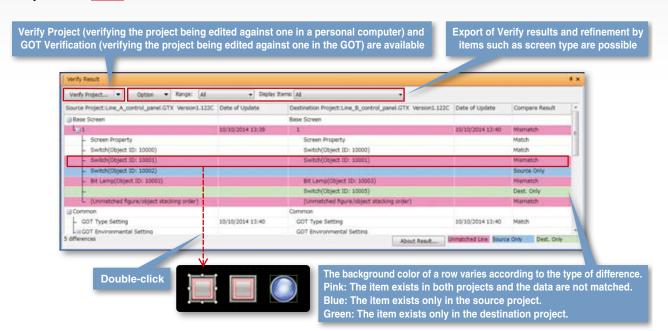
GOT Screen Design Software MELSOFT GT Works 3+plus

View data difference at a glance with "Data Verification"! Upgrade

GOT2000 only

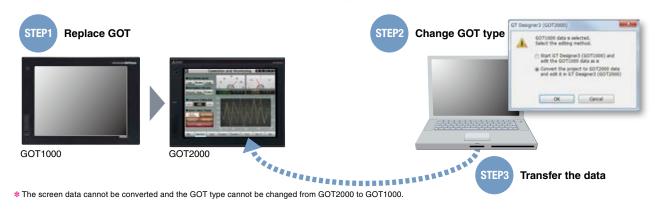
Verify the project data and check the results for each screen/object NEW .

From the Verify Result window, you can jump to the target object or can narrow down results by items such as the screen type. This function enables you to check differences and modify the data quickly even if the project data includes many screens.



Easily upgrade from GOT1000!

Simply change the GOT Type using the screen design software to upgrade your GOT1000 projects to GOT2000. It will be a drop in replacement because the panel size is exactly the same.



An Easy and Flexible HMI Solution

Simplifying startup and debugging

FA Transparent Function & Wireless LAN Connection

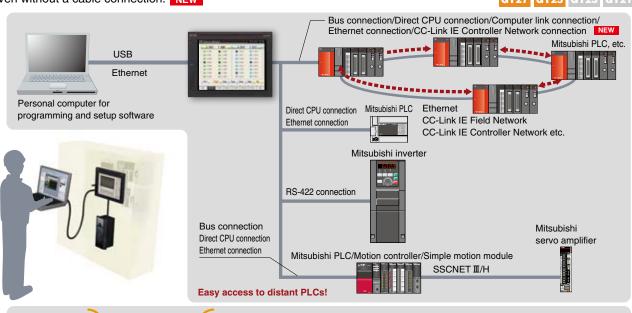
GT27 GT25 GT23 GT21

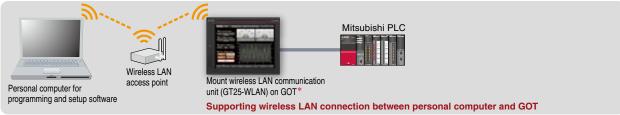
Simplifying the startup process of industrial automation systems

Connected with a personal computer, the GOT acts as a transparent gateway to enable programming, start up, and adjustment of industrial automation systems. Users do not have to bother with opening the cabinet or changing cable connections.

A wireless LAN connection between the personal computer and the GOT is supported. Startup and perform adjustments even without a cable connection.

NEW GT27 GT25 GT23 GT21





^{*} Data transfer in wireless LAN communication may not be as stable as that in cable communication. A packet loss may occur depending on the surrounding environment and the installation location. Be sure to perform a confirmation of operation before using this product.

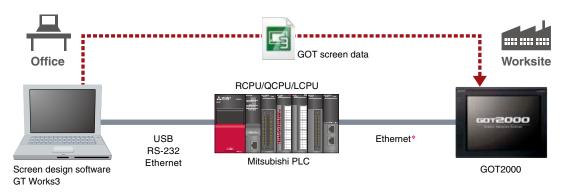
The product with hardware version A can be used only in Japan.

Transferring GOT screen data

GOT screen data can be transferred from a personal computer to the GOT2000 with a programmable controller acting as a gateway.

GT27 GT25 GT23 GT21

There is no need to connect cables directly from personal computers to the GOT. Editing GOT screen data during startup and maintenance is now easier than ever.



The product with hardware version B or later can be used in Japan (Japan Radio Law), the United States (FCC), the EU member states, Switzerland, Norway, Iceland, and Liechtenstein (R&TTE).

- Graphic Operation Terminal

Record the worksite state

Multimedia Function

GT27 GT25 GT23 GT21

Quickly identify cause of errors by reviewing recordings of the production line.



Attach a video camera to the GOT, and record the production line before and after trouble occurs.

Play the video on the GOT



Play the video on the alarm display screen. Record and playback in high quality VGA resolution.



[Recording specifications]

- <Before-after event recording> ...A total of 240 seconds of images can be recorded, including 120 seconds before and after a system error occurs. (When event trigger device turns on.)
- <Standard mode> ... Two types of recording modes are available. Recording size VGA (640×480), frame rate max. 15fps, or recording size QVGA (320×240), frame rate max. 30fps.
- <Longtime mode> ...Approximately two days worth of video image can be recorded. The recording size is QVGA (320×240), frame rate is 15fps.

Review documents at the production site

Document Display

GT27 GT25 GT23 GT21

When errors occur on-site, a check sheet or manual can be displayed on the GOT with instructions on how to restore the system. This can reduce the downtime.

<Supported file format> doc, xls, ppt, pdf, jpg, bmp



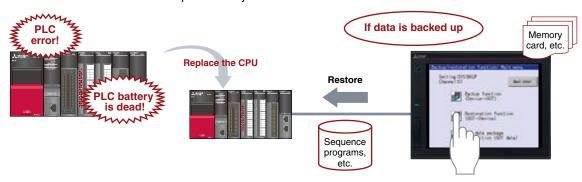
An Easy and Flexible HMI Solution

Easily backup and restore programs

Backup/Restore

GT27 GT25 GT23 GT21

Data such as the programs and parameters of the programmable controller CPU, motion controller, robot controller and CNC can be backed up onto the GOT's SD card or USB memory. With a backup of data in the GOT, there's no need to use a personal computer when replacing the industrial devices such as the programmable controller CPU. All replacement and restoration can be completed with just the GOT.



<Objective data> Programs, parameters, device comments, device default value data, file registers, etc.

<Objective models> MELSEC iQ-R Series* NEW

MELSEC-Q Series (excluding Q12PRH/Q25PRHCPU), MELSEC-L Series, MELSEC-F Series

Motion controller MELSEC iQ-R Series* NEW

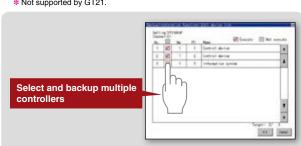
Motion controller MELSEC-Q Series (SV13/SV22 only)*, CNC C70* NEW Robot controller (CR750/751-Q, CR750/751-D, CRnQ-700, CRnD-700)*

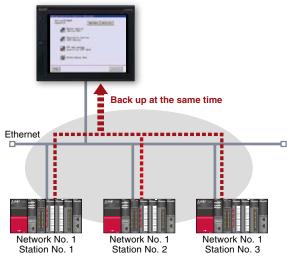
* Not supported by GT21.

< Supported connection types> Bus connection, direct CPU connection, computer link connection, Ethernet connection

Back up multiple controllers at the same time

Multiple controllers connected on Ethernet can be backed up at the same time, reducing the time needed to back up each controller separately. * Not supported by GT21.





Automatic backup

Besides manual backup from touch switches, you can specify a trigger device, a day of the week, and time for automatic backup. * Not supported by GT21.



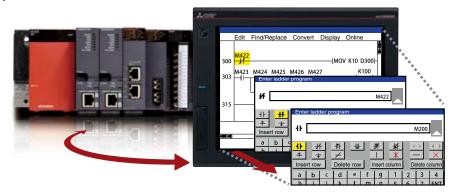


Monitor and edit ladder programs without a personal computer

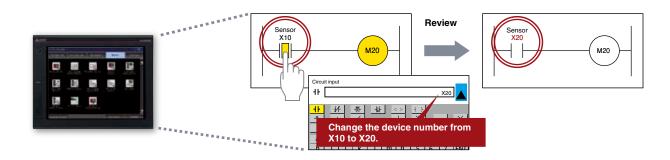
Sequence Program Monitor

GT27 GT25 GT23 GT21

When an error occurs, monitor the ladder program and identify the cause of error. There is no need for a personal computer on the production floor.



Just touch the GOT screen and easily edit the ladder program to make simple changes.



<Target models> MELSEC-Q Series (excluding QnPHCPU/QnPRHCPU), MELSEC-L Series, Motion controller MELSEC-Q Series (programmable controller CPU section)

* To be supported by MELSEC iQ-R Series soon.



An Easy and Flexible HMI Solution

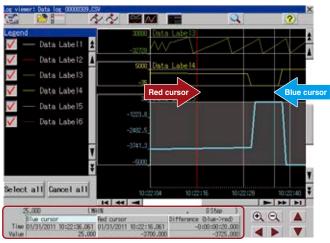
Check logging data of a CPU and high speed data logger module without a personal computer Log Viewer

GT27 GT25 GT23 GT21

Logging data collected by the data logging function of an RCPU NEW, QnUDVCPU, LCPU or high speed data logger module can be displayed on the GOT.

By displaying multiple cursors, changes in data can easily be checked. The collected logging data can be searched for by index No.

<Data to be displayed> ... Data logging (historical trend display)

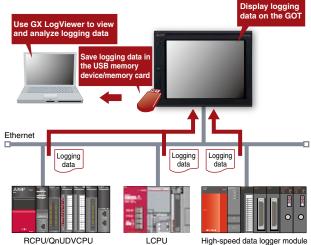


You do not need to have a PC onsite. Check logging data from the GOT, and you can take corrective actions quickly.

The logging data can be copied to a USB memory device attached to the USB interface on the front of the GOT. You can retrieve the logging data easily with the GOT without removing the memory card from the CPU or the high speed data logger module.

Connect a personal computer to the front USB interface of the GOT to view the logging data with the GX LogViewer, or to change the logging settings with the CPU Module Logging Configuration Tool or the High Speed Data Logger Module Configuration Tool.

(FA transparent function)





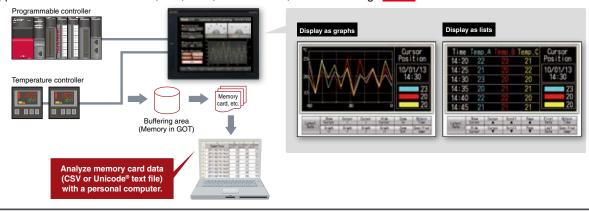
Easily collect data

Logging & Graphs and Lists

GT27 GT25 GT23 GT21

Use the GOT to collect data from the programmable controller and temperature controllers. The data can be displayed in graphs and lists. It can also be exported to a personal computer for further analysis. The logging data can be saved in the built-in SRAM even if the power fails.

<Supported device formats> ... Bit, BIN, BCD, real numbers, character strings NEW



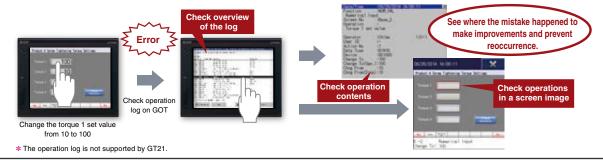
Easily identify the cause from operation history

Operator Authentication & Operation Log

GT27 GT25 GT23 GT21

The operation and display level (authority) can be set for each operator to strengthen security and prevent operation errors from reoccurring.

The operation log file saved with the operator information can be viewed to identify causes, and help make improvements and prevent recurrence.



Perform changeover even without changing the ladder program

Recipe Function

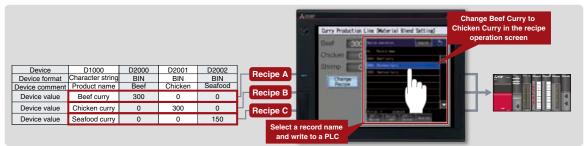
GT27 GT25 GT23 GT21

Recipe information (device values) such as material blend and machine conditions are saved in the GOT. This information can be written from the GOT to quickly perform changeover.

Recipes can be changed (changover) easily by selecting recipe file name and record name on the user-created screen.* NEW Recipe files can be converted into CSV files or Unicode® text files and easily edited on a personal computer.

<Supported device formats $> \dots$ Bit, BIN, BCD, real numbers, character strings

* Not supported by GT21.



An Easy and Flexible HMI Solution

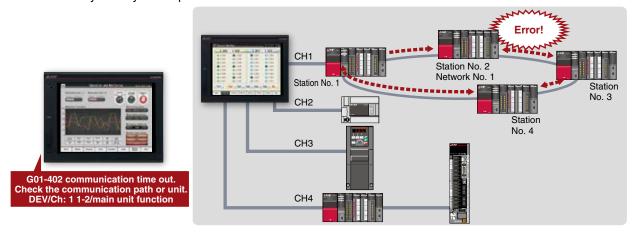
Identify the cause of alarms

System Alarms

GT27 GT25 GT23 GT21

Information such as the channel No., network No., station No., and CPU No., has been added to the system alarm making it possible to identify the abnormal device just by looking at the current alarm.

The number of the screen and the ID of the object that caused the alarm are also recorded and displayed, so that operators can easily identify what operations caused an alarm.



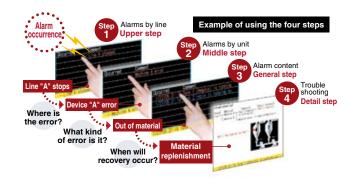
Easily search for causes when alarm occurs

Alarm Function

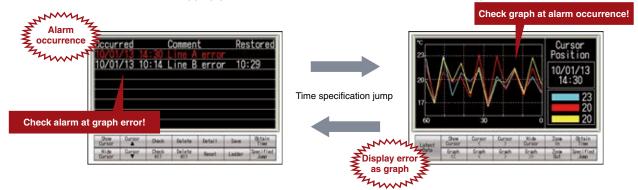
GT27 GT25 GT23 GT21

Alarms can be divided into groups and displayed by system or levels, or can be displayed all at the same time. Troubleshooting multiple alarm occurrences may be complicated in a large system, however, breaking down the alarms leads to effective and fast resolution. The alarm log data can be saved in the built-in SRAM even if the power fails.*

* Not supported by GT21.



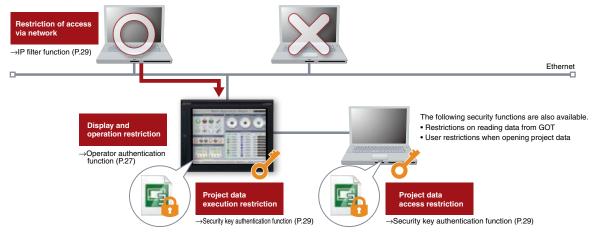
The alarm function works with the logging graph, so that the situation at alarm occurrence or graph error can be seen easily.



Protect valuable assets

Various security functions

Various security functions protect customers' assets.

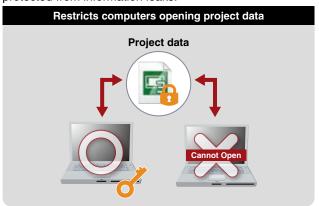


Protect your project data from alteration and duplication! **NEW**

Security Key Authentication Function

GT27 GT25 GT23 GT21

With the security key authentication function, computers without registered security keys can't open project data. As well, because GOTs without registered security keys can't execute project data, your techniques (know-how) are protected from information leaks.

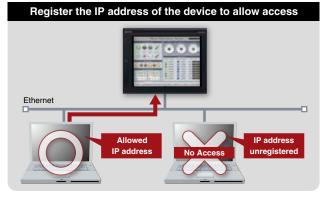


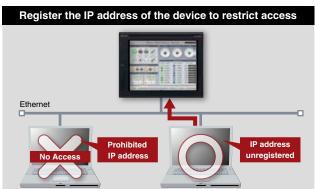


Reduce risk of unauthorized access through networks! NEW

IP Filter Function

By registering the IP addresses of devices which can access the GOT or which are prohibited to access the GOT, access from devices without permission can be prevented.





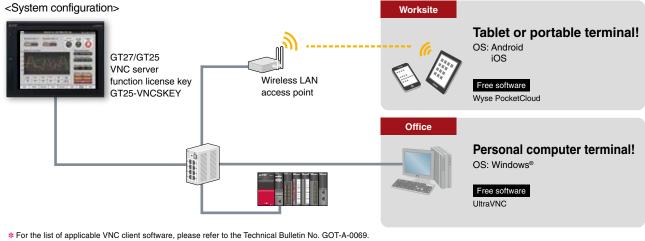
Powerful Remote Access Options



Remotely view and operate the GOT screen from a personal computer, tablet, or portable terminal that is connected via Ethernet.

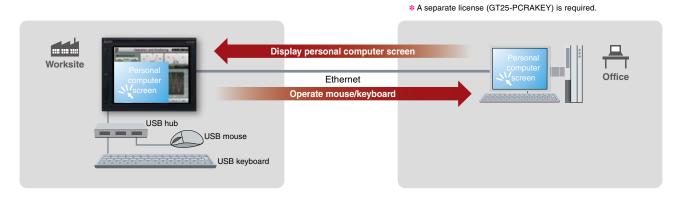
Utility functions including the sequence program monitor and the network monitor are also supported.







A GOT can remotely operate a personal computer that is connected via Ethernet. Connect a USB mouse and keyboard to the USB interface found in the front or at the back of the GOT. This allows you to open files such as manuals that are stored in the personal computer, view the computer's browser, and use engineering tools.



Communicate with databases

MES Interface Function

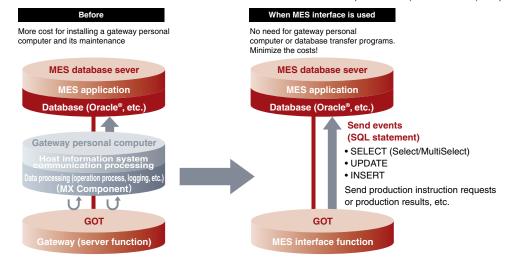
GT27 GT25 GT23 GT21

The GOT uses SQL statements to directly transmit data from the connected industrial devices to a database server. The communication with the database is configured in GT Works3 without any programming.

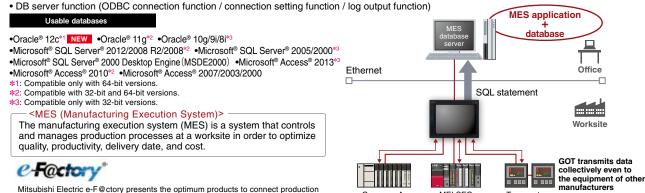
There is no need for a gateway computer or complex programming to communicate with the MES database server.

* A separate license (GT25-MESIFKEY) is required

- · SELECT (Select/MultiSelect)
- · UPDATE
- ·INSERT



- DB interface function (tag function / trigger buffering function / trigger monitoring function / SQL text transmission function
- < SELECT (Select/MultiSelect) / UPDATE / INSERT> / arithmetic processing function / program execution function / DB buffering function)
- SNTP time synchronization function Resource data send function Diagnostics function



Send and retrieve files between a GOT and personal computer

Mitsubishi Electric e-F@ctory presents the optimum products to connect production

information and MES (Manufacturing Execution System) to improve productivity at

File Transfer (FTP Client) Function

Temperature

controller

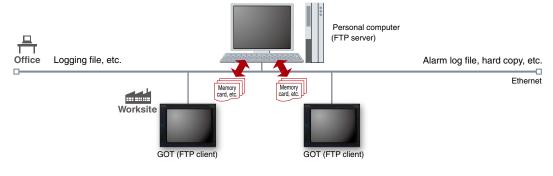
MELSEC



By using a GOT, files (alarm logs, hard copies, etc.) stored on the GOT's memory card or USB memory can be sent to or received from a personal computer. File names and folder names can be specified indirectly.

Company A

programmable controller



Perfectly Complemented by SoftGOT

Execute GOT functions on your personal computer

SoftGOT

SoftGOT allows GOT functions to be executed on a personal computer. Similar to the GOT2000, a variety of industrial devices can be connected and monitored. The GT SoftGOT2000 Version1 software is included in GT Works3, but requires a separate license key to operate.



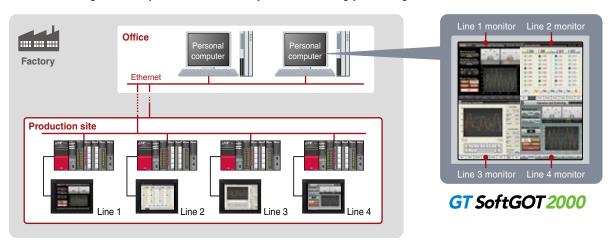
Monitor the production site from a remote location

Reduce downtime

Use GT SoftGOT2000 to monitor the production site from your office. You can collect information quickly when a problem occurs, taking necessary actions immediately.

Use GOT project data from the production site

The GOT project file running at your production site can be reused as the GT SoftGOT2000 project file, greatly reducing your design costs.



Engage with MELSEC process control

Simplify design and maintenance of a process control system by connecting PX Developer's monitor tools with GT SoftGOT2000. This process control monitoring system can be easily used in various process control applications.

PX Developer face plates, etc.

Monitor, operate or tune the loop control tags. (The display position can be specified.)

GT SoftGOT2000 touch switch / object

Click on touch switches and objects to open the various screens of the PX Developer monitor tool. (The display position can be specified.)



PX Developer monitor tool bar

Click on buttons to execute various operations such as starting GT SoftGOT2000 or switching base screens.

GT SoftGOT2000 base screen

Turn your desktop into a graphic monitoring window with the full-screen and back-screen mode.

Security collaboration

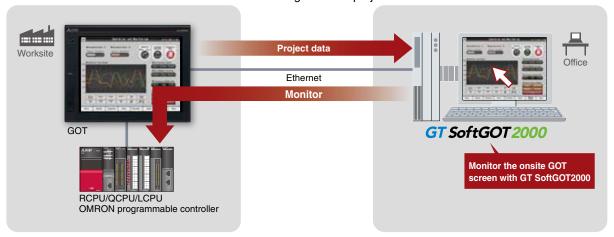
The GT SoftGOT2000 security level is changed accordingly when the PX Developer monitor tool's mode is changed (engineer mode / operator mode / lock mode). Authority can be set for operations requiring security.

Remote monitoring with SoftGOT

SoftGOT-GOT Link Function

GT27 GT25 GT23 GT21

GT SoftGOT2000 allows remote monitoring of devices connected on the worksite. This feature is available by connecting the GT SoftGOT2000 with the GOT via Ethernet and sharing the GOT project data.



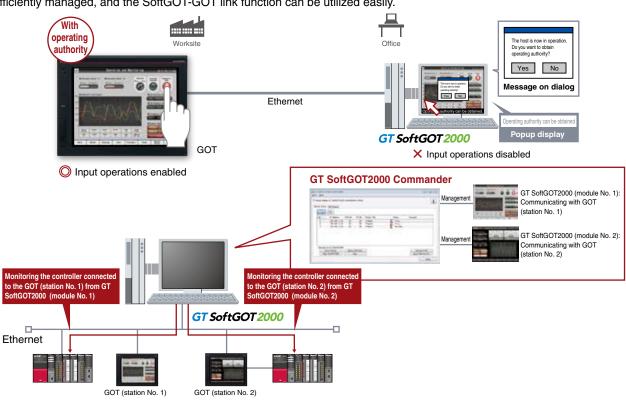
Control multiple SoftGOT modules

GT SoftGOT2000 Commander

GT27 GT25 GT23 GT21

GT SoftGOT2000 Commander

By using GT SoftGOT2000 Commander, multiple GT SoftGOT2000 modules using the SoftGOT-GOT link function can be efficiently managed, and the SoftGOT-GOT link function can be utilized easily.



"More Options!"

The GOT2000 engages various industrial devices to support maintenance

iQ Platform for maximum return on investment

Minimize TCO, Seamless integration, Maximize productivity, Transparent communications: these are common items that highlight the benefits of the iQ Platform. Enhanced further with the arrival of the new iQ-R Series Programmable Automation Controller (PAC), reducing costs and improving productivity can be realized even easier.

The iQ Platform minimizes TCO at all phases of the automation life cycle by improving development times, enhancing productivity, reducing maintenance costs, and making information more easily accessible. Seamless integration is the core part of the iQ Platform, having a highly intelligent controller platform that caters to different aspects of control all on the same base rack, and maximizing productivity by taking advantage of the high-speed iQ-R system bus, which further reduces operation cycle times. Transparent communications are achieved by supporting the industry-leading gigabit Ethernet-based open network, CC-Link IE. Seamless data flow is realized no matter what point on the network, ensuring the free flow of production data across the manufacturing site.

Taking these aspects and applying the new iQ-R Series controller into the mix, the iQ Platform raises processing capabilities to the next level for future intelligent manufacturing plants.





+ FA Solutions

personnel and reduce downtime.



PAC & HMI

- 1 The new high-speed MELSEC iQ-R Series system bus is 40-times faster realizing improved system performance
- 2 Program standardization through function blocks and module labels
- 3 Powerful and robust security features



Network

- 1 CC-Link IE, 1Gbps high-speed and large bandwidth communications network (40-times faster link refresh)
- 2 Seamless connectivity within all levels of manufacturing with SLMP



Engineering

- 1 Automatic generation of network configuration diagram
- 2 Share parameters across multiple engineering software via MELSOFT Navigator
- 3 Changes to system labels shared between PAC and HMI



"Easier Operations!"

The GOT2000 engages various industrial devices to support maintenance



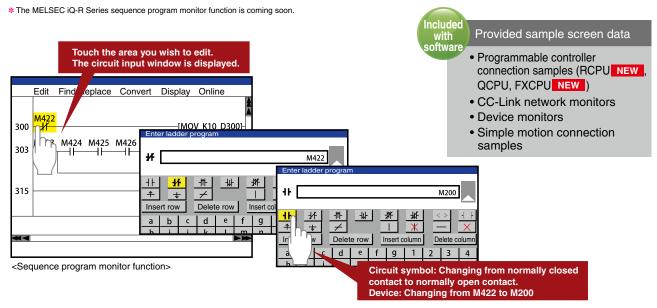
Simplify ladder monitoring and editing!



The MELSEC iQ-R Series, MELSEC-Q Series, and MELSEC-L Series sequence programs can be monitored and edited in ladder format using the sequence program monitor function.

In addition, the MELSEC-F Series sequence programs can be monitored in ladder format using the FX ladder monitor function.

Quickly perform maintenance operation on the GOT even if a personal computer is not readily available.



Easily monitor various controllers without creating screens!



Dedicated screens for motion controllers, positioning modules/simple motion modules, and servo amplifiers are available. Screens do not need to be created for monitoring motion controllers or changing servo parameters, monitoring or changing buffer memory values of positioning modules/simple motion modules, or monitoring or parameter setting of servo amplifiers.



+ FA Solutions

personnel and reduce downtime.

Easily debug your programs without opening the cabinet!

General-purpose Inverter

Connected with a personal computer, the GOT acts as a transparent gateway to enable startup and adjustment of equipment using FR Configurator2/FR Configurator. Users do not have to bother with opening the cabinet or changing cable connections.

- Graphic Operation Terminal

Sample screen data on which the operation commands and parameters can be set are available.





<Sample screen>

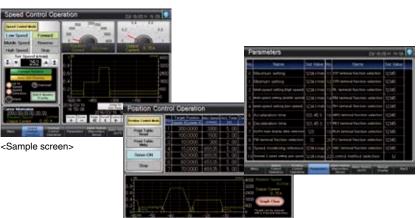
Provided sample screen data

- A800 connection sample
- F800 connection sample NEW
- D700 connection sample
- E700 connection sample
- F700P connection sample

Simplify speed control, position control, and parameter setting

Connected with a sensorless servo, the GOT can be used to perform speed control, position control, and parameter setting.

By connecting a personal computer to the front USB interface on the GOT, the GOT acts as a transparent gateway to enable startup and adjustment of equipment using FR Configurator. Users do not have to bother with opening the cabinet or changing cable connections.





Provided sample screen data

• E700EX connection sample NEW

"Easier Operations!"

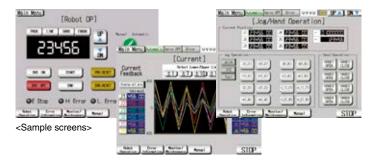


Easy to use support functions for various industrial devices.

Industrial Robot

Easy connections and settings!

Sample screen data is available to read the controller status and control the operation directly from the GOT. The robot can be started and stopped, and the status and alarms can be monitored easily from the GOT.



Quickly recover from trouble! NEW



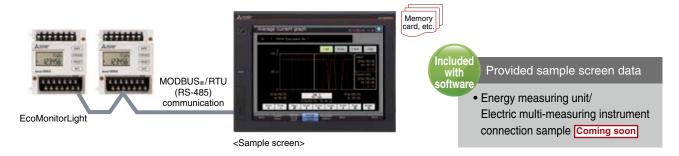
Backup the CNC C70 machining data and parameters onto the GOT's SD card or USB memory using the backup/restore function. Users can perform batch operation to restore the data to the CNC C70.





Easily monitor the energy data (current, power, electric energy, etc.) and change parameters.

A single GOT unit manages the information of up to 31 measurement terminals: energy measuring unit EcoMonitorLight EMU4-BD1-MB/EMU4-HD1-MB or electric multi-measuring instrument ME110SSR-MB.

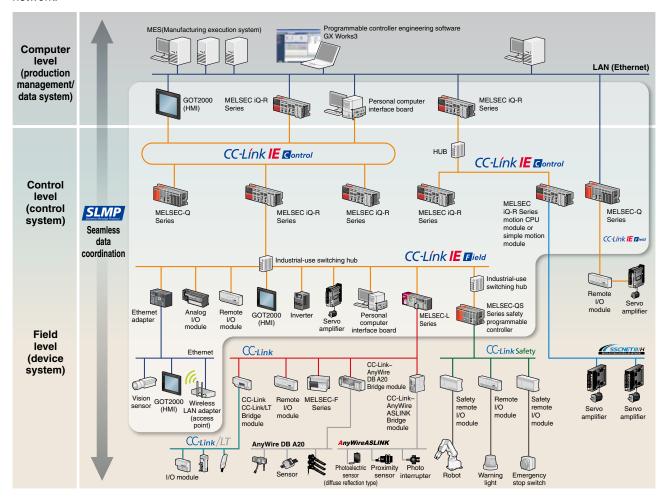


"More Options!"



CC-Link | reduces the cost of system construction

The CC-Link IE network family is a high-speed 1 Gbps control level and field level Ethernet topology industrial open network.



GOTs can be connected to the industrial open network CC-Link IE!

GOTs, programmable controllers, and other controllers can be connected via the CC-Link IE Controller Network or the CC-Link IE Field Network. Dedicated sample screens are available for checking the network status of the CC-Link IE Controller Network and the CC-Link IE Field Network. Communication status can easily be checked with the line monitor, the host information, or the station information without using a personal computer.

CC-Línk IE Control

CC-Link IE Control is a high-reliability distributed control network designed to handle very large data communications (128 K word) over a high-speed (1Gbps) dual-loop optical cable topology.

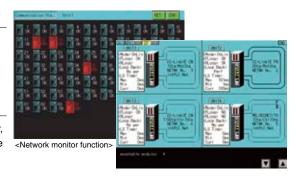
Communication unit on GOT: GT15-J71GP23-SX (normal station [optical loop])

CC-Línk | F | ield

CC-Link IE Field is a versatile gigabit Ethernet-based network integrating controller, I/O control, and motion control in a flexible topology supporting star, ring, and line configurations.

• Communication unit on GOT: GT15-J71GF13-T2 (intelligent device station)





"More Options!"

iOSS connects all types of sensors.

Sensors used on the manufacturing floor are becoming more advanced and complex.

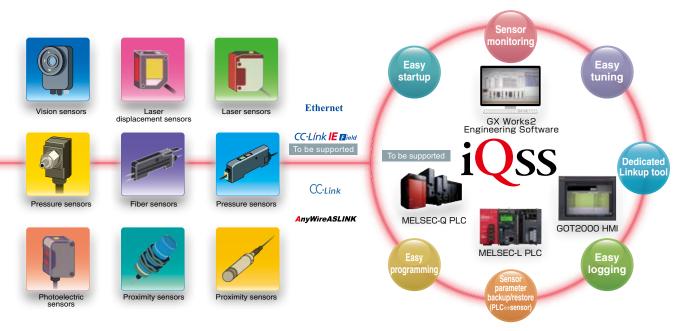
Managing your sensor configuration tools, and maintaining and starting up your equipment can be costly and hugely time consuming.

Through a collaboration with partner manufacturers, Mitsubishi Electric offers an engineering tool that enables intuitive configuration and maintenance of sensors.

This tool provides a solution that enhances the interaction between sensors and PLCs, HMIs and engineering softwares, which effectively reduces the customer's TCO*.

The solution is iQ Sensor Solution (iQss).

* TCO: Total Cost of Ownership



COGNEX Panasonic

BALLUFF To be supported.











Tools differ for each sensor and it's bothersome to monitor the sensors or backup the parameters... With GOT2000, the parameters for the iQSS partner sensors can be easily backed up onto the SD card mounted on the LCPU, and the parameters can be restored in the sensor!



Each sensor status cannot be monitored in a batch, so it takes time to confirm...

With GOT2000, the iQSS partner sensors can be displayed on one screen, so you can improve the monitoring efficiency!



Multiple parameters cannot be changed in a batch with the parameter configuration tool, so it takes time to complete adjustments...

With GOT2000, the sensor parameters can be set easily via the network, so you can shorten the work time!

- * For details about iQSS, please refer to the iQ Sensor Solution Catalog (L(NA)16029ENG).
- * For details about sensors, please contact our partner manufacturers.





Sample screens for startup, operation, and maintenance of the iQSS compatible partner sensors!

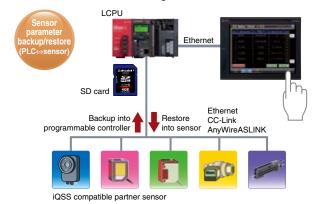
Previously

It was a hassle to backup sensor parameters because each manufacturer has a different software

With **GOT2000**

Unify the configuration of all settings!

Backup and restore the parameters of any iQSS partner sensor (Ethernet, CC-Link, AnyWireASLINK) to the SD card mounted on the LCPU, reducing work time.





iQSS backup (sensor → programmable controller) screen

Previously

Sensor status could not be monitored collectively and was time consuming

With **GOT2000**

The statuses are displayed on one screen!

iQSS partner sensors (AnyWireASLINK) are displayed on a single screen for comprehensive monitoring









Input signal monitor screen

Sensor detailed information (Parameter setting screen)

AnyWireASLINK line up









GT27

General specifications

Item		Specifications					
Operating ambient temperature *1			0 to 55°	C *2			
Storage ambient temperature			-20 to 6	0°C			
Operating ambient humidity			10 to 90% RH, no	n-condensing			
Storage ambient humidity			10 to 90% RH, no	n-condensing			
			Frequency	Acceleration	Half-amplitude	Sweep count	
	Compliant with JIS B 3502 and IEC 61131-2	Under intermittent vibration	5 to 8.4Hz	-	3.5mm	10 times each	
Vibration resistance			8.4 to 150Hz	9.8m/s ²	-	in X, Y and Z directions	
		Under continuous vibration	5 to 8.4Hz	-	1.75mm	-	
			8.4 to 150Hz	4.9m/s ²	_		
Shock resistance	Complian	t with JIS B 3502, IE	C 61131-2 (147 m/s	² (15G), 3 times ea	ch in X, Y and Z dire	ections)	
Operating atmosphere	No oily smoke, corro	sive gas or combustil	ole gas, less condu	ctive dust, away from	n direct sunlight (the	e same in storage)	
Operating altitude *3			2000m o	r less			
Installation location			Inside contr	ol panel			
Overvoltage category *4			II or le	SS			
Pollution level *5	2 or less						
Cooling method		Self-cooling					
Grounding		Type D grounding	(100Ω or less). Cor	nnect to panel if una	able to ground.		

- *1 The operating ambient temperature includes the temperature inside the enclosure of the control panel to which the GOT is installed.
- *2 The maximum operating ambient temperature should be 5°C lower than that shown in the table on the left when connecting to a multimedia unit (GT27-MMR-Z), MELSECNET/H communication unit (GT15-J71L92-25 or GT15-J71BR13) or CC-Link communication unit (GT15-J61BT13).
- *3 Do not operate or store the GOT unit in pressurized environments where the pressure exceeds 0m elevation atmospheric pressure, as this could result in abnormal operation. Do not pressurize inside the control panel for air purge cleaning. The pressure could raise the surface sheet, making the touch panel difficult to operate or causing the sheet to come off.
- *4 Assuming that the device is connected at some point between a public power distribution network and local system equipment. Categoryll applies to devices that are supplied with power from fixed equipment. The surge withstand voltage is 2,500V for devices with ratings up to 300V.
- *5 Index that indicates the level of foreign conductive matter in the operating environment of the device. Pollution level 2 denotes an environment contaminated only by non-conductive matter which may, under certain conditions, become temporarily conductive due to condensation.

Do not use or store the GOT under direct sun light or in an environment with excessively high temperature, dust, humidity or vibration.

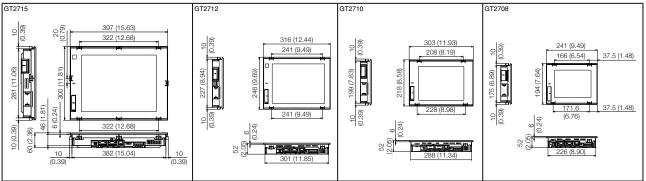
For inquiries relating to the status of conforming to UL, cUL, and CE directives and shipping directives, please contact your local sales office.

Power supply specifications

					Specifi	cations			
	Item	GT2715-XTBA	GT2712-STBA GT2712-STWA	GT2710-STBA GT2710-VTBA GT2710-VTWA	GT2708-STBA GT2708-VTBA	GT2715-XTBD	GT2712-STBD GT2712-STWD	GT2710-STBD GT2710-VTBD GT2710-VTWD	GT2708-STBD GT2708-VTBD
Power sup	ply voltage		100 to 240VAC	(+10%, -15%)			24VDC (+2	25%, -20%)	
Power sup	ply frequency		50/60H	tz ±5%			-	_	
	Maximum load	51W or less	44W or less	41W or less	41W or less	48W or less	45W or less	42W or less	39W or less
Power consumption	Stand alone	25W	19W	17W	15W	23W	18W	15W	13W
concumption	Stand alone with backlight off	10W	10W	10W	10W	8W	8W	8W	8W
Inrush cur	40A or less (3ms, ambient temperature 25°C, maximum load) (60A or less (2ms, ambient temperature 25°C, maximum load)			5A or less (20ms, ambient temperature 25°C, maximum load)					
Allowable	momentary power failure time		Within 20ms (1	00VAC or more)		Within 10ms			
Noise immunity Noise voltage 1500Vp-p, noise width 1µs by noise simulator with noise frequency 25 to 60H		e frequency 25 to 60Hz	Noise voltage 500Vp-p, noise width 1µs by noise simulator with noise frequency 25 to 60Hz						
Withstand voltage 1500VAC for 1 minute between power supply terminal and ground		350VAC for 1 minute between power supply terminal and ground							
Insulation resistance 10MΩ or higher with an insulation resistance tester (500VDC between power supply terminal and ground)									

External dimensions

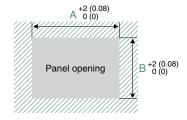
Jnit: mm (inch

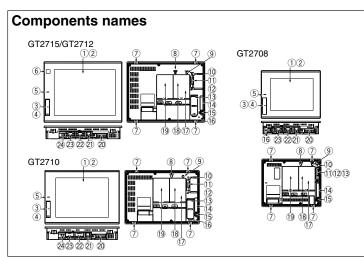


Panel cutting dimensions

Unit: mm (inch)

Screen size	Model	А	В	Remarks
15"	GT2715	383.5 (15.10)	282.5 (11.12)	Same dimensions as GT1695, GT1595.
12.1"	GT2712	302 (11.89)	228 (8.98)	Same dimensions as GT1685, GT1585, A985GOT.
10.4"	GT2710	289 (11.38)	200 (7.87)	Same dimensions as GT167□, GT157□, A97□GOT.
8.4"	GT2708	227 (8.94)	176 (6.93)	Same dimensions as GT1665, GT1565.





- 1) Display screen
- 2 Touch panel
- ③ USB interface (host/front face) * Excluding white model
- 4 USB interface (device/front face)* Excluding white model
- ⑤ POWER LED
- ⑥ Human sensor (GT2715/GT2712 only)
- ① Unit mounting bracket
- 8 Reset switch
- 9 S. MODE switch
- 10 SD card access LED
- (1) SD card interface
- 12 SD card cover

- 13 Battery
- 14 Side interface
- 15 USB interface (host/rear face)
- 16 Cable clamp mounting hole
- Terminating resistor setting switch (inside the cover)
- 18 Auxiliary extension I/F
- 19 Extension interface
- 20 Power supply terminal
- 2) Ethernet interface
- 22 RS-232 interface
- 23 RS-422/485 interface
- ② USB interface (device/rear face)
 - * White model only

Performance specifications

					Specific	cations				
	Item	GT2715-XTBA GT2715-XTBD	GT2712-STBA GT2712-STBD	GT2712-STWA GT2712-STWD	GT2710-STBA GT2710-STBD	GT2710-VTBA GT2710-VTBD	GT2710-VTWA GT2710-VTWD	GT2708-STBA GT2708-STBD	GT2708-VTBA GT2708-VTBD	
	Display device				TFT col	or LCD				
	Screen size	15"	12	2.1"		10.4"		8.4"		
	Resolution	XGA: 1024×768 dots		SVGA: 800×600 dots		VGA: 640	0×480 dots	SVGA: 800×600 dots	VGA: 640×480 dots	
	Display size	304.1(12.0)(W)× 228.1(8.98)(H) mm(inch)	246(9.685)(W)×184.	5(7.264)(H) mm(inch)	211.2(8.315)(W)×158.4(6.236)(H) mm(inch)			170.9(6.728)(W) x 128.2(5.047)(H) mm(inch)		
Display section *1 *2	Number of characters	16-dot standard font: 64 chars. × 48 lines (2-byte) 12-dot standard font: 85 chars. × 64 lines (2-byte)		ard font: 50 chars. × 37 ard font: 66 chars. × 50		16-dot standard font: 40 chars. × 30 lines (2-byte) 12-dot standard font: 53 chars. × 40 lines (2-byte)		16-dot standard font: 50 chars. × 37 lines (2-byte) 12-dot standard font: 66 chars. × 50 lines (2-byte)	16-dot standard font: 40 chars. × 30 lines (2-byte) 12-dot standard font: 53 chars. × 40 lines (2-byte)	
	Display color				65536	colors				
	Intensity adjustment				32-level a	djustment				
	Backlight		LED (not replaceable)							
	Backlight life *4		Approx. 60000 hours (Time for display intensity reaches 50% at ambient temperature of 25°C)							
	Туре				Analog res	sistive film				
T *3	Key size		Minimum 2 x 2 dots (per key)							
Touch panel *3	Simultaneous press		Maximum 2 points							
	Life			1 mi	llion times or more (ope	erating force 0.98N or	less)			
Human	Detection distance 1m –									
sensor Detection temperature Temperature Temperature difference between human body and ambient air: 4°C or higher –										
User memory	User memory capacity				Memory for stora Memory for operati					
	Life (No. of writings)				100000) times				
Internal clock a	accuracy				±90 sec/month (ambie	ent temperature 25°C)				
Battery					GT11-50BAT I	ithium battery	_			
Danory	Life	Approx. 5 years (ambient temperature 25°C)								
	RS-232		1ch Tra	nsmission speed: 1152	00/57600/38400/19200	/9600/4800bps Conn	ector shape: D-sub 9-p	in (male)		
	RS-422/485	1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (female)								
	Ethernet	1ch Data transfer method: 10BASE-T/100BASE-TX Connector shape: RJ-45 (modular jack)								
	USB (host)	2ch (front fa	ce/rear face)	1ch (rear face)	2ch (front fac	· · · · · · · · · · · · · · · · · · ·	1ch (rear face)	2ch (front fa	ce/rear face)	
Built-in	, , ,				sfer speed: High-Speed		1	r		
interface	USB (device)	1ch (fro	nt face)	1ch (rear face) Maximum transfe	1ch (fro er speed: High-Speed 4	· · · · · · · · · · · · · · · · · · ·	1ch (rear face) hape: USB Mini-B	1ch (fro	nt face)	
	SD card				1ch SDHC compliar		· ·			
	Extension interface				For communication un					
	Auxiliary extension I/F				For option u	nit mounting				
	Side interface				For communicati					
Buzzer output					Single tone (tone, tor					
POWER LED	,				Emission color: 2 co	olors (blue, orange)				
Protective stru	cture				Front: IP67F *5 In o	control panel: IP2X				
397(15.63)(W)× 300(11.81)(H)×60(D) mm(inch) 316(12		316(12.44)(W)×246(9.69))(H)×52(2.05)(D) mm(inch)	303(11.93)(W)×218(8.58)(H)×52(2.05)(D) mm(inch)		241(9.49)(W)×194(7.64)(H)×52(2.05)(D) mm(inch)			
Panel cutting of	limensions	383.5(15.10)(W)× 282.5(11.12)(H) mm(inch)	302(11.89)(W)×228	3(8.98)(H) mm(inch)	289(11.38)(W)×200(7.87)(H) mm(inch)			227(8.94)(W)×176	(6.93)(H) mm(inch)	
Weight (excl. n	nounting brackets)	4.5kg	2.4	4kg		2.1kg		1.5	ikg	
Compatible so	ftware package				GT Designer3 Vers	sion1.122C or later				

- *1 On LCD panels, bright dots (permanently lit) and black dots (never lit) generally appear. Because the number of display elements that exist on an LCD panel is large, it is not possible to reduce appearance of the bright and black dots to zero. Individual differences in LCD panels may cause differences in color, uneven brightness and flickering. Note that these are characteristics of LCD panels and it does not mean the products are defective or damaged.
- *2 Flickering may occur due to vibration or shock, or depending on the display colors.
- *3 The life of using a stylus pen is 100,000. Use a stylus pen meeting the following specifications.
 Material: Polyacetal resin
 Pen point radius: 0.8mm or more
- *4 Using the GOT screen saver/backlight OFF functions prevents screen burn-in and extends backlight life.
- *5 Pressing "PUSH" mark firmly and locking the USB environmentally protective cover makes it conform to IP67F. (The USB interface conforms to IP2X when the cover is open.)

 However, this does not guarantee protection in all users' environments. The unit may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.

GT25

General specifications

Item	Specifications						
Operating ambient temperature *1		0 to 55°C *2					
Storage ambient temperature			-20 to 6	i0°C			
Operating ambient humidity			10 to 90% RH, no	n-condensing			
Storage ambient humidity			10 to 90% RH, no	n-condensing			
			Frequency	Acceleration	Half-amplitude	Sweep count	
	Compliant with	Under intermittent	5 to 8.4Hz	-	3.5mm	10 times each	
Vibration resistance	JIS B 3502 and IEC 61131-2	vibration	8.4 to 150Hz	9.8m/s ²	-	in X, Y and Z directions	
		Under continuous vibration	5 to 8.4Hz	-	1.75mm	_	
			8.4 to 150Hz	4.9m/s ²	_		
Shock resistance	Complian	t with JIS B 3502, IE	C 61131-2 (147 m/s	² (15G), 3 times ea	ch in X, Y and Z dire	ections)	
Operating atmosphere	No oily smoke, corro	sive gas or combustil	ole gas, less condu	ctive dust, away from	n direct sunlight (the	e same in storage)	
Operating altitude *3			2000m o	r less			
Installation location			Inside contr	ol panel			
Overvoltage category *4	II or less						
Pollution level *5	2 or less						
Cooling method	Self-cooling						
Grounding		Type D grounding	(100Ω or less). Cor	nnect to panel if una	able to ground.		

- *1 The operating ambient temperature includes the temperature inside the enclosure of the control panel to which the GOT is installed.
- *2 The maximum operating ambient temperature should be 5°C lower than that shown in the table on the left when connecting to a MELSECNET7H communication unit (GT15-J71LP23-25 or GT15-J71BR13) or CC-Link communication unit (GT15-J61BT13).
- *3 Do not operate or store the GOT unit in pressurized environments where the pressure exceeds Om elevation atmospheric pressure, as this could result in abnormal operation. Do not pressurize inside the control panel for air purge cleaning. The pressure could raise the surface sheet, making the touch panel difficult to operate or causing the sheet to come off.
- *4 Assuming that the device is connected at some point between a public power distribution network and local system equipment.

 Categoryll applies to devices that are supplied with power from fixed equipment. The surge withstand voltage is 2,500V for devices with ratings up to 300V.
- *5 Index that indicates the level of foreign conductive matter in the operating environment of the device. Pollution level 2 denotes an environment contaminated only by non-conductive matter which may, under certain conditions, become temporarily conductive due to condensation.

Do not use or store the GOT under direct sun light or in an environment with excessively high temperature, dust, humidity or vibration.

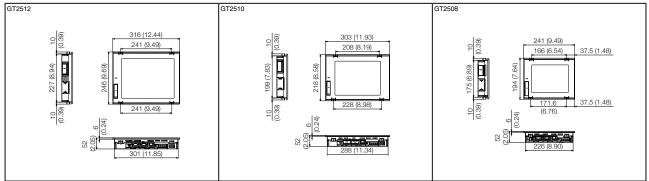
For inquiries relating to the status of conforming to UL, cUL, and CE directives and shipping directives, please contact your local sales office.

Power supply specifications

		Specifications Specifications Specifications Specifications Specifications Specifications Specification Specificat							
Item		GT2512-STBA	GT2510-VTBA GT2510-VTWA	GT2508-VTBA GT2508-VTWA	GT2512-STBD	GT2510-VTBD GT2510-VTWD	GT2508-VTBD GT2508-VTWD		
Power sup	ply voltage		100 to 240VAC (+10%, -15%))		24VDC (+25%, -20%)			
Power sup	ply frequency		50/60Hz ±5%			=			
	Maximum load	35W or less	34W or less	31W or less	37W or less	33W or less	31W or less		
Power consumption	Stand alone	14W	12W	11W	13W	10W	8W		
concampaon	Stand alone with backlight off	7W	7W	7W	6W	6W	6W		
Inrush curr	ent	60A or less (2m	s, ambient temperature 25°C,	maximum load)	5A or less (20ms, ambient temperature 25°C, maximum load)				
Allowable i	momentary power failure time	١	Vithin 20ms (100VAC or more	e)	Within 10ms				
Noise imm	Noise immunity Noise voltage 1500Vp-p, noise width 1µs by noise simulator with noise frequency 25 to 60Hz		Noise voltage 500Vp-p, noise width 1µs by noise simulator with noise frequency 25 to 60Hz						
Withstand voltage 1500VAC for 1 minute between power supp		nute between power supply te	rminal and ground	350VAC for 1 minute between power supply terminal and ground					
Insulation resistance $10M\Omega$ or higher with an insulation resistance			10M Ω or higher with ar	n insulation resistance tester (500VDC between power supp	oly terminal and ground)			

External dimensions

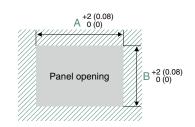
Unit: mm (inch)



Panel cutting dimensions

Unit: mm (inch)

Screen size	Model	А	В	Remarks
12.1"	GT2512	302 (11.89)	228 (8.98)	Same dimensions as GT1685, GT1585, A985GOT.
10.4"	GT2510	289 (11.38)	200 (7.87)	Same dimensions as GT167 , GT157, A97 GOT.
8.4"	GT2508	227 (8.94)	176 (6.93)	Same dimensions as GT1665, GT1565.





Components names GT2512/GT2510 GT2508 1 Display screen 12 Battery 12 2 Touch panel 13 Side interface 3 USB interface (host/front face) 14 USB interface (host/rear face) (5) * Excluding white model (5) 15 Cable clamp mounting hole (3)(4) 34-4 USB interface (device/front face) 16 Terminating resistor setting switch * Excluding white model (inside the cover) EEE **5 POWER LED** 17 Extension interface (15) 2) 20 (19 (18 6 Unit mounting bracket 18 Power supply terminal (7) Reset switch 19 Ethernet interface ® S. MODE switch 20 RS-232 interface 10(11)(12) 9 SD card access LED 21) RS-422/485 interface 10 SD card interface 22 USB interface (device/rear face) * White model only 11 SD card cover

Performance specifications

				Specifications					
	Item	GT2512-STBA GT2512-STBD	GT2510-VTBA GT2510-VTBD	GT2510-VTWA GT2510-VTWD	GT2508-VTBA GT2508-VTBD	GT2508-VTWA GT2508-VTWD			
	Display device			TFT color LCD					
	Screen size	12.1"	10	4"	8.	8.4"			
	Resolution	SVGA: 800×600 dots		VGA: 640	0×480 dots				
	Display size	246(9.685)(W)× 184.5(7.264)(H) mm(inch)	211.2(8.315)(W)×158.	4(6.236)(H) mm(inch)	170.9(6.728)(W) x 128	3.2(5.047)(H) mm(inch)			
Display section *1 *2	Number of characters	16-dot standard font: 50 chars × 37 lines (2-byte) 12-dot standard font: 66 chars. × 50 lines (2-byte)			chars. × 30 lines (2-byte) chars. × 40 lines (2-byte)				
	Display color			65536 colors					
	Intensity adjustment			32-level adjustment					
	Backlight	LED (not replaceable)							
	Backlight life *4		Approx. 60000 hours (Time for	or display intensity reaches 50% at	ambient temperature of 25°C)				
	Туре			Analog resistive film					
Touch panel *3	Key size	Minimum 2 x 2 dots (per key)							
Touch panel **3	Simultaneous press	Simultaneous press prohibited *5 (only 1 point can be pressed)							
	Life	1 million times or more (operating force 0.98N or less)							
User memory	User memory capacity	Memory for storage (ROM): 32MB Memory for operation (RAM): 80MB							
	Life (No. of writings)			100000 times					
Internal clock	accuracy		±90	sec/month (ambient temperature 2	5°C)				
D				GT11-50BAT lithium battery					
Battery	Life	Approx. 5 years (ambient temperature 25°C)							
	RS-232	1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male)							
	RS-422/485	1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (female)							
	Ethernet		1ch Data transfer method: 1	0BASE-T/100BASE-TX Connector	shape: RJ-45 (modular jack)				
	USB (host)	2ch (front face/rear face)	2ch (front face/rear face)	1ch (rear face)	2ch (front face/rear face)	1ch (rear face)			
Built-in	USB (HOSI)		Maximum transfer	speed: High-Speed 480Mbps Conne	ctor shape: USB-A				
interface	USB (device)	1ch (front face)	1ch (front face)	1ch (rear face)	1ch (front face)	1ch (rear face)			
	USB (device)		Maximum transfer spe	ed: High-Speed 480Mbps Connec	tor shape: USB Mini-B				
	SD card		10	h SDHC compliant (maximum 32G	B)				
	Extension interface		For	communication unit/option unit mou	nting				
	Side interface	For communication unit mounting							
Buzzer output			Sir	igle tone (tone, tone length adjustat	ole)				
POWER LED Emission color: 2 colors (blue, orange)				e)					
Protective structure Front: IP67F ** In control panel: IP2X				X					
External dimensions		316(12.44)(W)×246(9.69)(H) ×52(2.05)(D) mm(inch)	303(11.93)(W)×218(8.58)(H)×52(2.05)(D) mm(inch)	241(9.49)(W)×194(7.64)(H)×52(2.05)(D) mm(inch)			
Panel cutting of	dimensions	302(11.89)(W)×228(8.98)(H) mm(inch)	289(11.38)(W)×200	(7.87)(H) mm(inch)	227(8.94)(W)×176	(6.93)(H) mm(inch)			
Weight (excl. r	mounting brackets)	2.4kg	2.1	kg	1.5	ikg			
Compatible so	oftware package			GT Designer3 Version1.122C or late	er				

- *1 On LCD panels, bright dots (permanently lit) and black dots (never lit) generally appear. Because the number of display elements that exist on an LCD panel is large, it is not possible to reduce appearance of the bright and black dots to zero. Individual differences in LCD panels may cause differences in color, uneven brightness and flickering. Note that these are characteristics of LCD panels and it does not mean the products are defective or damaged.
- *2 Flickering may occur due to vibration or shock, or depending on the display colors.
- *3 The life of using a stylus pen is 100,000. Use a stylus pen meeting the following specifications.

 Material: Polyacetal resin Pen point radius: 0.8mm or more
- *4 Using the GOT screen saver/backlight OFF functions prevents screen burn-in and extends backlight life.
- *5 When 2 points on the touch panel are pressed simultaneously, if a switch is located the middle of the 2 points then the switch will be activated. Therefore, avoid pressing 2 points on the touch panel simultaneously.
- *6 Pressing "PUSH" mark firmly and locking the USB environmentally protective cover makes it conform to IP67F. (The USB interface conforms to IP2X when the cover is open.)

 However, this does not guarantee protection in all users' environments. The unit may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.

GT23

General specifications

Item		Specifications					
Operating ambient temperature *1		0 to 55°C					
Storage ambient temperature			-20 to 6	i0°C			
Operating ambient humidity			10 to 90% RH, non	-condensing *2			
Storage ambient humidity			10 to 90% RH, non	-condensing *2			
			Frequency	Acceleration	Half-amplitude	Sweep count	
	Compliant with	Under intermittent	5 to 8.4Hz	-	3.5mm	10 times each	
Vibration resistance	JIS B 3502 and IEC 61131-2	vibration	8.4 to 150Hz	9.8m/s ²	-	in X, Y and Z directions	
		Under continuous vibration	5 to 8.4Hz	-	1.75mm	_	
			8.4 to 150Hz	4.9m/s ²	_		
Shock resistance	Complian	t with JIS B 3502, IE	C 61131-2 (147 m/s	² (15G), 3 times ea	ch in X, Y and Z dire	ections)	
Operating atmosphere	No oily smoke, corro	sive gas or combustil	ole gas, less condu	ctive dust, away from	n direct sunlight (the	e same in storage)	
Operating altitude *3			2000m o	r less			
Installation location			Inside contr	ol panel			
Overvoltage category *4	II or less						
Pollution level *5	2 or less						
Cooling method	Self-cooling						
Grounding		Type D grounding	(100 Ω or less). Cor	nnect to panel if una	able to ground.		

- *1 The operating ambient temperature includes the temperature inside the enclosure of the control panel to which the GOT is installed.
- *3 Do not operate or store the GOT unit in pressurized environments where the pressure exceeds 0m elevation atmospheric pressure, as this could result in abnormal operation. Do not pressurize inside the control panel for air purge cleaning. The pressure could raise the surface sheet, making the touch panel difficult to operate or causing the sheet to come off.
- *4 Assuming that the device is connected at some point between a public power distribution network and local system equipment. Categoryll applies to devices that are supplied with power from fixed equipment. The surge withstand voltage is 2,500V for devices with ratings up to 300V.
- *5 Index that indicates the level of foreign conductive matter in the operating environment of the device. Pollution level 2 denotes an environment contaminated only by non-conductive matter which may, under certain conditions, become temporarily conductive due to condensation.

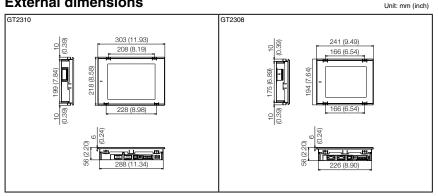
Do not use or store the GOT under direct sun light or in an environment with excessively high temperature, dust, humidity or vibration.

For inquiries relating to the status of conforming to UL, cUL, and CE directives and shipping directives, please contact your local sales office.

Power supply specifications

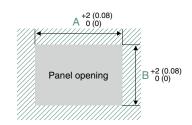
	Item	Specifications						
	item	GT2310-VTBA	GT2308-VTBA	GT2310-VTBD	GT2308-VTBD			
Power sup	ply voltage	100 to 240VAC	(+10%, -15%)	24VDC (+2	24VDC (+25%, -20%)			
Power sup	ply frequency	50/60H	Iz ±5%	-	-			
	Maximum load	18W or less	11W or less	16W or less	11W or less			
Power consumption	Stand alone	15W	9W	13W	8W			
	Stand alone with backlight off	8W	6W	7W	6W			
Inrush curr	rent	40A or less (4ms, ambient tem	perature 25°C, maximum load)	40A or less (2ms, ambient temperature 25°C, maximum load)				
Allowable	momentary power failure time	Within 20ms (10	00VAC or more)	Within 10ms				
Noise immunity		Noise voltage 1500Vp-p, noise width 1µs by no	oise simulator with noise frequency 25 to 60Hz	Noise voltage 500Vp-p, noise width 1µs by noise simulator with noise frequency 25 to 60Hz				
Withstand voltage		1500VAC for 1 minute between	AC external terminal and ground	350VAC for 1 minute between power supply terminal and ground				
Insulation	resistance	10ΜΩ οι	higher with an insulation resistance tester (500VDC between power supply terminal and	ground)			

External dimensions



Panel cutting dimensions

Screen size	Model	А	В	Remarks	
10.4"	GT2310	289 (11.38)	200 (7.87)	Same dimensions as GT167 , GT157, A97 GOT.	
8.4"	GT2308	227 (8.94)	176 (6.93)	Same dimensions as GT1665, GT1565.	



Unit: mm (inch)

Components names 1 Display screen 10 USB interface (device) GT2310 / GT2308 2 Touch panel 11 Cable clamp mounting hole **3 POWER LED** 12 Terminating resistor setting switch 12 (inside the cover) 4 Unit mounting bracket (3) 5 S. MODE switch 13 Battery 6 SD card access LED 14 Power supply terminal 7 SD card interface 15 Ethernet interface ® SD card cover 16 RS-232 interface 17 16 15 14 9 USB interface (host) ① RS-422/485 interface

Performance specifications

		Specific	cations					
	Item	GT2310-VTBA	GT2308-VTBA					
		GT2310-VTBD	GT2308-VTBD					
	Display device	TFT col	or LCD					
	Screen size	10.4"	8.4"					
	Resolution	VGA: 640x480 dots						
	Display size	211.2(8.315)(W)×158.4(6.236)(H) mm(inch) 170.9(6.728)(W) × 128.2(5.047)(H) mm(inch)						
Display section *1 *2	Number of characters	16-dot standard font: 40 chars. × 30 lines (2-byte) 12-dot standard font: 53 chars. × 40 lines (2-byte)						
	Display color	65536	65536 colors					
	Intensity adjustment	16-level a	djustment					
	Backlight	LED (not re	placeable)					
	Backlight life *4	Approx. 50000 hours (Time for display intensity	reaches 50% at ambient temperature of 25°C)					
	Туре	Analog res	sistive film					
Touch panel *3	Key size	Minimum 2 × 2	dots (per key)					
Touch panel	Simultaneous press	Simultaneous press prohibited *	^{K5} (only 1 point can be pressed)					
	Life	1 million times or more (operating force 0.98N or less)						
User memory	User memory capacity	Memory for storage (ROM): 9MB Memory for operation (RAM): 9MB						
	Life (No. of writings)	100000) times					
Internal clock a	accuracy	±90 sec/month (ambie	ent temperature 25°C)					
Battery		GT11-50BAT lithium battery						
Duttery	Life	Approx. 5 years (ambie	ent temperature 25°C)					
	RS-232	1ch Transmission speed: 115200/57600/38400/19200	/9600/4800bps Connector shape: D-sub 9-pin (male)					
	RS-422/485	1ch Transmission speed: 115200/57600/38400/19200/	9600/4800bps Connector shape: D-sub 9-pin (female)					
	Ethernet	1ch Data transfer method: 10BASE-T/100BAS	E-TX Connector shape: RJ-45 (modular jack)					
Built-in	USB (host)	10	ch .					
interface	OSD (HOSt)	Maximum transfer speed: Full-Speed	d 12Mbps Connector shape: USB-A					
	USB (device)	10	ch .					
	OOD (device)	Maximum transfer speed: Full-Speed 1	2Mbps Connector shape: USB Mini-B					
	SD card	1ch SDHC complian	nt (maximum 32GB)					
Buzzer output		Single tone (tone I	length adjustable)					
POWER LED		Emission color: 2 co						
Protective stru	ıcture	Front: IP67F *6 In o	control panel: IP2X					
External dimer	nsions	303(11.93)(W)×218(8.58)(H)×56(2.20)(D) mm(inch)	241(9.49)(W)×194(7.64)(H)×56(2.20)(D) mm(inch)					
Panel cutting of	dimensions	289(11.38)(W)×200(7.87)(H) mm(inch)	227(8.94)(W)×176(6.93)(H) mm(inch)					
Weight (excl. n	mounting brackets)	1.9kg	1.5kg					
Compatible so	ftware package	GT Designer3 Vers	sion1.122C or later					
*1 On LCD panels, bright dots (permanently lit) and black dots (never lit) generally appear. Because the number of display elements that exist on an LCD panel is large, it is not possible to reduce appearance.								

- *1 On LCD panels, bright dots (permanently lit) and black dots (never lit) generally appear. Because the number of display elements that exist on an LCD panel is large, it is not possible to reduce appearance of the bright and black dots to zero. Individual differences in LCD panels may cause differences in color, uneven brightness and flickering. Note that these are characteristics of LCD panels and it does not mean the products are defective or damaged.
- *2 Flickering may occur due to vibration or shock, or depending on the display colors.
- *3 The life of using a stylus pen is 100,000. Use a stylus pen meeting the following specifications.
 Material: Polyacetal resin
 Pen point radius: 0.8mm or more
- *4 Using the GOT screen saver/backlight OFF functions prevents screen burn-in and extends backlight life.
- *5 When 2 points on the touch panel are pressed simultaneously, if a switch is located the middle of the 2 points then the switch will be activated. Therefore, avoid pressing 2 points on the touch panel simultaneously.
- *6 This does not guarantee protection in all users' environments. The unit may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.

GT21

General specifications

Item			Specifica	ations								
Operating ambient temperature *1		0 to 55°C (horizontal installation), 0 to 50°C (vertical instalation)										
Storage ambient temperature		-20 to 60°C										
Operating ambient humidity			10 to 90% RH, non	-condensing *2								
Storage ambient humidity		10 to 90% RH, non-condensing *2										
			Frequency	Acceleration	Half-amplitude	Sweep count						
	Compliant with	Under intermittent	5 to 8.4Hz	-	3.5mm	10 times each in X, Y and Z						
Vibration resistance	JIS B 3502 and	vibration	8.4 to 150Hz	9.8m/s ²	-	directions						
	IEC 61131-2	Under continuous	5 to 8.4Hz	-	1.75mm							
		vibration	5 to 8.4Hz	4.9m/s ²	_	_						
Shock resistance	Complian	t with JIS B 3502, IE	C 61131-2 (147 m/s	² (15G), 3 times ea	ch in X, Y and Z dire	ections)						
Operating atmosphere	No oily smoke, corro	sive gas or combustil	ole gas, less condu	ctive dust, away from	m direct sunlight (the	e same in storage)						
Operating altitude *3			2000m o	r less								
Installation location			Inside contr	ol panel								
Overvoltage category *4		II or less										
Pollution level *5		2 or less										
Cooling method		Self-cooling										
Grounding		Type D grounding	(100 Ω or less). Cor	nnect to panel if una	able to ground.							

- *1 The operating ambient temperature includes the temperature inside the enclosure of the control panel to which the GOT is installed.
- *3 Do not operate or store the GOT unit in pressurized environments where the pressure exceeds 0m elevation atmospheric pressure, as this could result in abnormal operation. Do not pressurize inside the control panel for air purge cleaning. The pressure could raise the surface sheet, making the touch panel difficult to operate or causing the sheet to come off.
- *4 Assuming that the device is connected at some point between a public power distribution network and local system equipment. Categoryll applies to devices that are supplied with power from fixed equipment. The surge withstand voltage is 2,500V for devices with ratings up to 300V.
- *5 Index that indicates the level of foreign conductive matter in the operating environment of the device. Pollution level 2 denotes an environment contaminated only by non-conductive matter which may, under certain conditions, become temporarily conductive due to condensation.

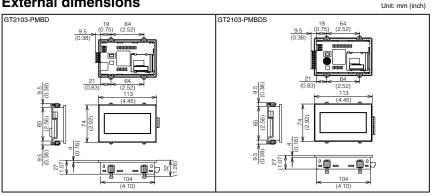
Do not use or store the GOT under direct sun light or in an environment with excessively high temperature, dust, humidity or vibration.

For inquiries relating to the status of conforming to UL, cUL, and CE directives and shipping directives, please contact your local sales office.

Power supply specifications

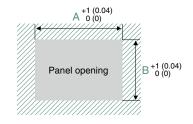
	Item	Specifi	cations								
	iteiii	GT2103-PMBD	GT2103-PMBDS								
Power sup	ply voltage	24VDC (+10%, -15%)									
Power sup	ply frequency	-	-								
Power	Maximum load	2.6W or less	1.9W or less								
consumption	Stand alone with backlight off	2.0W	1.3W								
Inrush curr	ent	30A or less (1ms, ambient temperature 25°C, maximum load)									
Allowable r	nomentary power failure time	Within	n 5ms								
Noise imm	unity	Noise voltage 1000Vp-p, noise width 1µs by noise simulator with noise frequency 30 to 100Hz									
Withstand	voltage	500VAC for 1 minute between po	ower supply terminal and ground								
Insulation i	resistance	$10 M\Omega$ or higher with an insulation resistance tester (500VDC between power supply terminal and ground)								

External dimensions

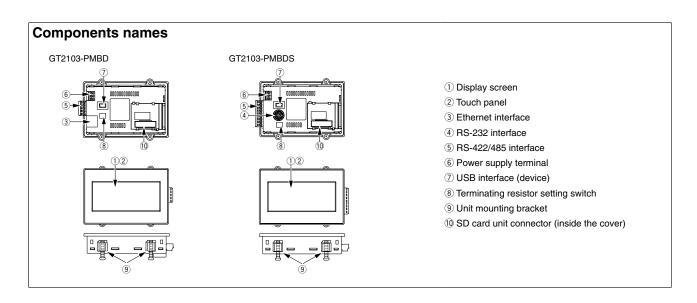


Panel cutting dimensions

S	creen size	Model	A	В	Remarks
	3.8"	GT2103	105 (4.14)	66 (2.60)	Same dimensions as GT1020.



Unit: mm (inch)



Performance specifications

	•										
	Item	Specific	cations								
	item	GT2103-PMBD	GT2103-PMBDS								
	Display device	TFT monoc	hrome LCD								
	Screen size	3.	3.8"								
	Resolution	320×12	320×128 dots								
	Display size	89.0(3.51)(W)×35.6	89.0(3.51)(W)×35.6(1.41)(H) mm(inch)								
Display section *1 *2	Number of characters	16-dot standard font: 20 chars. × 8 lines (2-byte) 12-dot standard font: 26 chars. × 10 lines (2-byte)									
	Display color	Monochrome (black/wh	ite) 32 shade grayscale								
	Intensity adjustment	32-level a	djustment								
	Backlight	5-color LED (white/green/pink	/orange/red) (not replaceable)								
	Backlight life *4	Approx. 50000 hours (Time for display intensity	reaches 50% at ambient temperature of 25°C)								
	Туре	Analog res	sistive film								
Touch panel *3	Key size	Minimum 2 × 2	2 dots (per key)								
Touch panel	Simultaneous press	Simultaneous press prohibited *5 (only 1 point can be pressed)									
	Life	1 million times or more (op-	erating force 0.98N or less)								
User memory	User memory capacity	Memory for store	age (ROM): 3MB								
	Life (No. of writings)	100000 times									
	RS-232	-	1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: MINI-DIN 6-pin (female)								
	RS-422/485	1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: connector terminal block 5-pin	1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: connector terminal block 9-pin								
Built-in interface	Ethernet	1ch Data transfer method: 10BASE-T/100BASE-TX Connector shape: RJ-45 (modular jack)	-								
	1100 (1)	10	ch								
	USB (device)	Maximum transfer speed: Full-Speed 1	12Mbps Connector shape: USB Mini-B								
	SD card *6	1ch SDHC complia	nt (maximum 32GB)								
Buzzer output		Single tone (tone	length adjustable)								
Protective structure		Front: IP67F *7 In	control panel: IP2X								
External dimer	nsions	113(4.45)(W)×74(2.92)(H)×32(1.26)(D) mm(inch)	113(4.45)(W)×74(2.92)(H)×27(1.07)(D) mm(inch) *8								
Panel cutting of	dimensions	105(4.14)(W)×66(2.60)(H) mm(inch)								
Weight (excl. r	mounting brackets)	0.2	2kg								
Compatible so	ftware package	GT Designer3 Vers	sion1.122C or later								

- *1 On LCD panels, bright dots (permanently lit) and black dots (never lit) generally appear. Because the number of display elements that exist on an LCD panel is large, it is not possible to reduce appearance of the bright and black dots to zero. Individual differences in LCD panels may cause differences in color, uneven brightness and flickering. Note that these are characteristics of LCD panels and it does not mean the products are defective or damaged.
- *2 Flickering may occur due to vibration or shock, or depending on the display colors.
- *3 The life of using a stylus pen is 100,000. Use a stylus pen meeting the following specifications.
 Material: Polyacetal resin
 Pen point radius: 0.8mm or more
- *44 Using the GOT screen saver/backlight OFF functions prevents screen burn-in and extends backlight life.
- *5 When 2 points on the touch panel are pressed simultaneously, if a switch is located the middle of the 2 points then the switch will be activated. Therefore, avoid pressing 2 points on the touch panel simultaneously.
- *6 A separate SD card unit (GT21-03SDCD) must be mounted.
- *7 This does not guarantee protection in all users' environments. The unit may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.
- $\textcolor{red}{*8} \ \ \text{When an SD card unit (GT21-03SDCD) is mounted, external dimensions are } 113(4.45)(W) \times 74(2.92)(H) \times 32(1.26)(D) \ \ \text{mm(inch)}.$

MELSOFT GT Works3 Version1 (English Version) operating environment

Item	Description
Personal computer	Personal computer that Windows® runs on.
OS (English, Simplified Chinese, Traditional Chinese, Korean, or German version)	Microsoft® Windows® 8.1 (Enterprise, Pro) (64 bit/32 bit) *1 *2 *4 *5 *6 Microsoft® Windows® 8.1 (64 bit/32 bit) *1 *2 *4 *5 *6 Microsoft® Windows® 8 (Enterprise, Pro) (64 bit/32 bit) *1 *2 *4 *5 *6 Microsoft® Windows® 8 (Enterprise, Pro) (64 bit/32 bit) *1 *2 *4 *5 *6 Microsoft® Windows® 7 (Ultimate, Enterprise, Professional) (64 bit/32 bit) *1 *2 *3 *4 Microsoft® Windows® 7 (Iltimate, Enterprise, Professional) (64 bit/32 bit) *1 *2 *4 Microsoft® Windows® 7 (Starter) (32 bit) *1 *2 Microsoft® Windows® 7 (Starter) (32 bit) *1 *2 Microsoft® Windows® 7 (Windows® 7 (Ditmate, Enterprise, Business, Home Premium, Home Basic) (32 bit) Service Pack1 or later *1 *2 Microsoft® Windows® XP (Professional, Home Edition) (32 bit) Service Pack3 or later *1 *2
CPU	1GHz or faster recommended
Memory	For Windows® 8.1 (64 bit), Windows® 8 (64 bit), Windows® 7 (64 bit): 2GB or more recommended For Windows® 8.1 (32 bit), Windows® 8 (32 bit), Windows® 7 (32 bit), Windows Vista® (32 bit): 1GB or more recommended For Windows® XP: 512MB or more recommended
Display	Resolution XGA (1024 × 768 dots) or higher
Hard disk space	For installation: 2GB or more recommended For execution: 512MB or more recommended
Display color	High Color (16 bits) or higher
Other hardware	Use the hardware compatible with the above OS. • For installation: mouse, keyboard, DVD-ROM drive • For execution: mouse, keyboard • For printing: printer Use the following hardware when required. • For simulation (only when outputting the buzzer sound): sound card, speaker
Compatible GOT	GOT2000 series, GOT1000 series
Applicable software version	GT Works3 Version1.122C or later

*1 For installation, the administrator authority is required.
For Windows® 8.1, Windows® 8, Windows® 7 and Windows Vista®, the standard user or administrator account is required.
To interact GT Designer3 with other MELSOFT applications which are used under the administrator authority, use GT Designer3 under the administrator authority.

*2 The following functions are not supported.

• Application start in Windows compatibility mode

• Fast user switching

• Change your desktop themes (fonts)

• Ple setting of the than the normal size (For Windows® XP and Windows Vista®)

• Setting the size of text and illustrations on the screen to any size other than [Small-100%] (For Windows® 8.1, Windows® 8, and Windows® 7)

*3 Windows XP Mode is not supported.

*4 Windows Touch or Touch is not supported.

*5 Modern UI Style is not supported.

*6 Hyper-V is not supported.

GT SoftGOT2000 Version1 (English Version) operating environment

Item	Description
Personal computer	Personal computer that Windows® runs on. PC CPU module manufactured by CONTEC CO., LTD (PPC-852-21G, PPC-852-22F) *8
OS (English, Simplified Chinese, Traditional Chinese, Korean, or German version)	Microsoft® Windows® 8.1 (Enterprise, Pro) (64 bit/32 bit) *1 *2 *4 *5 *6 Microsoft® Windows® 8.1 (64 bit/32 bit) *1 *2 *4 *45 *6 Microsoft® Windows® 8.6 (Enterprise, Pro) (64 bit/32 bit) *1 *2 *4 *5 *56 Microsoft® Windows® 8 (64 bit/32 bit) *1 *2 *2 *4 *5 *56 Microsoft® Windows® 7 (Ultimate, Enterprise, Professional) (64 bit/32 bit) *1 *2 *3 *4 Microsoft® Windows® 7 (Starter) (32 bit) *1 *2 *2 *4 Microsoft® Windows® 7 (Starter) (32 bit) *1 *2 *2 Microsoft® Windows® 7 (Starter) (32 bit) *1 *2 Microsoft® Windows® XP Enterprise, Business, Home Premium, Home Basic) (32 bit) Service Pack1 or later *1 *2 Microsoft® Windows® XP Embedded (32 bit) *1 *2 *2 *7 Microsoft® Windows® XP Embedded (32 bit) *1 *2 *2 *7
CPU	1GHz or more recommended
Memory	For Windows® 8.1 (64 bit), Windows® 8 (64 bit), Windows® 7 (64 bit): 2GB or more recommended For Windows® 8.1 (32 bit), Windows® 8 (32 bit), Windows® 7 (32 bit), Windows Vista® (32 bit): 1GB or more recommended For Windows® XP: 512MB or more recommended
Display	Resolution VGA (640 × 480 dots) or higher
Hard disk space *9	For installation: 2GB or more recommended For execution: 512MB or more recommended
Display color	High Color (16 bits) or higher
Hardware	GT27-SGTKEY-U (license key (for USB port))
Other software	The following software is required to create the project data. • GT Designer3 Version1.100E or later **10 The following software is required for interaction with PX Developer. • PX Developer Version1.40S or later • GT Designer3 Version1.105K or later **10 The following software is required to connect with GX Simulator. • GX Simulator Version5.00A or later The following software is required to connect with GX Simulator2. • GX Works2 Version1.12N or later The following software is required to connect with MT Simulator2. • MT Works2 Version 1.70Y or later
Other hardware	Use the hardware compatible with the above OS. • For installation: mouse, keyboard, DVD-ROM drive • For execution: mouse, keyboard • For printing: printer Prepare the following hardware if necessary. • For execution (only when outputting buzzer sound or others): sound function, speaker

- *3 Windows XP Mode is not supported.
- *4 Windows Touch or Touch is not supported.
- *5 Modern UI Style is not supported.
- *6 Hyper-V is not supported.
- *7 For using the PPC-852-22F, GT SoftGOT2000 can be used on the PPC-852-22F with the OS preinstalled only.
- **87 For Using the PPC-852-22F, GT SoftGOT2000 can be used on the PPC-852-22F with the OS preinstalled only.
 **88 Refer to the manual of the PC CPU module to be used.
 **99 When using GT Designer3 or PX Developer besides GT SoftGOT2000, additional free space is required. For the available space required when using GT Designer3, please refer to the GT Works3 operating environment. For the available space required when using monitor tool functions of PX Developer, please refer to the following manual. ⇒PX Developer Version □ Operating Manual (Monitor Tool) When using a user-created application, free space is required separately.
- *10Use GT Designer3 included in GT Works3 that contains GT SoftGOT2000.

- Graphic Operation Terminal 🗖 🗖 💳

Fι	un	nction list	For	details of fu	ınctions, su	pported controllers, and	connection types, pleas		Series Manual or Help. orted -: Not supported
Cate	VIOE	Function name	Necessary devices *1	GT	27	GT25	GT23	GT21	GT SoftGOT2000
		Figure	,,,			•	•	•	•
		Logo text				•	•	•	•
		Touch switch				•	•	•	•
	-	Lamp Numerical display, Numerical input							-
	Ì	Text display, Text input			•	•	•	•	•
	į	Date display, Time display	(Battery)			•	•	•	•
		Comment display				•	•	•	•
	-	Parts display	(SD card or USB memory)		-	•	•	•	•
	ons	Parts movement Historical data list display	(SD card or USB memory)				•	•	-
	ncti	Simple alarm display				•	•	•	•
	를	System alarm display			•	•	•	-	•
	bje	Alarm display (user)	(SD card or USB memory, battery)			•	•	•	•
	re/c	Alarm display (system)	(SD card or USB memory, battery)			•	•	-	•
	Fig	Level Panelmeter			<u> </u>	•	•	•	•
	ł	Line graph					•	•	_
	Ì	Trend graph				•	•	•	•
	ĺ	Bar graph				•	•	•	•
	ļ	Statistic bar graph			<u> </u>	•	•	•	•
	}	Statistic pie graph Scatter graph			<u> </u>	•	•	•	-
	- }	Historical trend graph			<u>- </u>		•	•	-
		Slider			•	•	•	-	•
E		Document display	SD card			•	-	-	•
des	GOT	Logging	(SD card or USB memory, battery)		<u> </u>	•	•	•	•
Screen design	Jo pu	Recipe Device data transfer	(SD card or USB memory)		<u> </u>	•	•	•	•
Scre	kgrou	Trigger action			<u>, </u>	•	•	•	-
	n bac	Time action	(SD card or USB memory)		•	•	•	•	•
	o peu	File output	SD card or USB memory		•	•	•	•	•
	erform	Hard copy Serial printer output				•	•	•	● *2 ● *2
	d suo	Project/screen script	Printer unit			•	-	-	● *2 ●
	Functi	Object script			<u> </u>			-	-
		Barcode function			•	•	•	•	•
	Ì	RFID function				•	•	•	•
		Remote personal computer operation function (Ethernet)	License		<u> </u>	•	-	-	-
	Sec	Remote personal computer operation function (serial)	RGB input unit or Video/RGB input unit License			-	_	-	-
	devic	GOT remote access function (VNC server function) Video display function	Video input unit or Video/RGB input unit		<u> </u>	_	_	_	
	ralc	RGB display function	RGB input unit or Video/RGB input unit			-	-	-	-
	phe	Multimedia function	Multimedia unit, CF card			-	-	-	-
	peri	External I/O function	External I/O unit			•	-	-	-
	with	Operation panel function RGB output function	External I/O unit RGB output unit			•	-	-	•
	nsed \	Serial printer output	HGB output unit		<u> </u>	•	•	•	- ●*3
		Report function PictBridge printer output	Printer unit		•	•	-	-	● * 3
	ctions	Sound output function	Sound output unit		•	•	-	-	•
	ű,	Server function, Client function				•	-	-	-
	_	Mail send function FTP server function	(SD card or USB memory)		<u> </u>	•	-	_	•
	ł	File transfer (FTP client) function	SD card or USB memory				•	_	
	Ì	MES interface function	License, (SD card)			•	-	-	-
		Base screen				•	•	•	•
	-	Overlap window				•	•	•	•
	}	Superimpose window Dialog window			<u> </u>	•	•	•	-
	1	Key window					•	•	
	Ì	Language switching			•	•	•	•	•
	Ì	System information			•	•	•	•	•
		Operator authentication	(SD card or USB memory)			•	•	•	•
9	2	Operation log	SD card or USB memory		<u> </u>	•	•	-	•
:	3	Startup logo Kana-kanji conversion			<u> </u>		_	_	•
÷	5	FA transparent				•	•	•	-
anoitoun TOE	3	SoftGOT-GOT link				•	-	-	•
		Backup/Restore	SD card or USB memory			•	•	•	-
		Multi-channel function		4ch (Up t	to 3 units)	4ch (Up to 3 units)	2ch (No units can be mounted)		-
		Station No. switching				•	•	•	•
		Screen gesture function Object gesture function				-		_	-
		Object gesture function Security key authentication function NEW	1		<u> </u>	-	-	-	-
		IP filter function NEW			•	•	•	-	-
		Vertical display *5		(Rotate C	90° to left)	(Rotate 90° to left)	(Rotate 90° to left)	(Rotate 90° to right)	-
		Device monitor			D to left)	(Hotate 90 to left)	(Hotate 90 to left)	(Hotate 90 to right)	_
		Sequence program monitor (Ladder)	SD card or USB memory			•	_	-	-
		Sequence program monitor (SFC)	SD card or USB memory			•	-	-	-
		Network monitor			<u> </u>	•		_	-
		Intelligent module monitor Servo amplifier monitor	 		<u> </u>	•	-	-	-
Poblic functions		R motion monitor			<u>-</u>	•	_	_	-
2	5	Q motion monitor			•	•	-	-	-
5	5	Motion SFC monitor	SD card or USB memory		•	•	-	-	-
2	2	CNC monitor NEW	00		*4	•*4 •*4	-	-	-
		CNC data I/O NEW CNC machining program edit NEW	SD card or USB memory		*4	● *4 ● *4	_	-	-
		Log viewer	(SD card or USB memory)) ····	•	_	_	_
		MELSEC-FX list editor			•	•	•	-	-
		FX ladder monitor				•	-	-	-
		MELSEC-L troubleshooting	1			•	-	-	
*1	Nac	cessary units when using GT27, GT25, GT23, or GT21 are sho	own Paranthacizad davicae will b	on required a	donondina d	on conditions of uso			

- Necessary units when using GT27, GT25, GT23, or GT21 are shown. Parenthesized devices will be required depending on conditions of use.

 Data is output to the printer that is recognized by the personal computer.

 CSV files are saved in the virtual drive of the personal computer so that it is recommended to output the files to printers.

 Only the GOTS with SVGA or higher resolution are supported.

 The following screens are displayed horizontally:

 Utility screen, monitor and data management screens that are displayed from the utility screen (sequence program monitor, etc.), video camera images in the multimedia and video display functions Remote personal computer operation function (Ethernet) cannot be used.

 For the details of other GOT operations when placed vertically, please refer to the related manuals or the Help.

GOT2000 connectable model list

	ubishi PL			roller mo	dul	es/	Sat	ety	/ CC	ntr	oll	ers	/M <u>c</u>	otic	n c	on	tro	ller	'S_						
														onne			е								
									GT:	27/G` 	T25							GT23	} 				GT21	-	
ı	Series			Model name	Ethernet connection	Direct CPU connection	Serial communication connection	CC-Link IE Controller Network connection	ink IE ection	CC-Link connection (intelligent device station)	CC-Link connection (via G4) *	Bus connection **	MELSECNET/H connection	MELSECNET/10 connection 🏁	Multi-drop connection 🚧	Ethernet connection	Direct CPU connection	Serial communication connection	CC-Link connection (via G4) *	Multi-drop connection ***	Ethernet connection *5	Direct CPU connection	Serial communication connection	CC-Link connection (via G4) *	Multi-drop connection 🕮
				R04CPU R08CPU																					Г
	MELSEC iQ-R se	eries		R16CPU R32CPU R120CPU	0	×	0	0	0	0	×	×	×	×	×	0	×	0	×	×	0	×	0	×	×
			eed type al model	Q03UDVCPU Q04UDVCPU Q06UDVCPU Q13UDVCPU Q26UDVCPU	O *16	O *6	0	O *7	O *8	0	0	0	O *16	O *16	O *6	O *16	O *6	0	0	O *6	O *16	O *6	0	0	O *6
				Q00UJCPU	0 *16	0	0	○ *7	O *8	0	0	○ *9	0 *16	0 *16	0	0 *16	0	0	0	0	○ *16	0	0	0	0
				Q00UCPU Q01UCPU	0 *16	0	0	O *7	○ *8	0	0	0	O *16	O *16	0	O *16	0	0	0	0	O *16	0	0	0	0
			al model	Q02UCPU Q03UDCPU	*16	0	0	O *10	O *8	0	0	0	O *16	0 *16	0	0 *16	0	0	0	0	○ *16	0	0	0	0
		QCPU		Q04UDHCPU Q06UDHCPU	O *16	0	0	O *10	O *8	0	0	0	O *16	O *16	0	O *16	0	0	0	0	O *16	0	0	0	0
				Q10UDHCPU Q13UDHCPU Q20UDHCPU Q26UDHCPU	O *16	0	0	O *7	O *8	0	0	0	O *16	O *16	0	O *16	0	0	0	0	O *16	0	0	0	0
	MELSEC-Q series (Q mode)		Built-in Ethernet type	Q03UDECPU Q04UDEHCPU Q06UDEHCPU Q10UDEHCPU Q13UDEHCPU Q20UDEHCPU Q26UDEHCPU Q50UDEHCPU Q100UDEHCPU	O *16	○ *6	0	O *10	O *8	0	0	0	O *16	O *16	○ *6	O *16	O *6	0	0	O *6	O *16	O *6	0	0	O *6
		Basic n QCPU	nodel	Q00JCPU Q00CPU*14 Q01CPU*14	O *16	0	0	O *11	×	0	0	0 *9	O *16	O *12 *16	0	O *16	0	0	0	0	O *16	O *13	0	0	0
PLC		High pe model QCPU	erformance	Q02CPU*14 Q02HCPU*14 Q06HCPU*14 Q12HCPU*14 Q25HCPU*14	O *16	0	0	O *15	×	0	0	0	O *16	O *12 *16	0	O *16	0	0	0	0	O *16	0	0	0	0
		Process	s CPU	Q02PHCPU Q06PHCPU Q12PHCPU Q25PHCPU	O *16	0	0	0 *17 0 *19	×	0	0	0	O *16	O *12 *16	×	O *16	0	0	0	×	×	×	×	×	×
		Redund (main b	lant CPU ase)	Q12PRHCPU Q25PRHCPU	0	0	×	O *19	×	0	0	×	0	0 *12	×	0	0	×	0	×	×	×	×	×	×
		Redund	lant CPU ion base)	Q12PRHCPU Q25PRHCPU	0	×	0	X	×	0	0	×	×	X	×	0	×	0	0	×	×	×	×	×	×
	MELSEC-QS ser	ies	· · ·	QS001CPU	0	×	×	0	0	×	×	×	0	0	×	0	×	×	×	×	×	×	×	×	×
				L02SCPU L02SCPU-P	O *22*23	0	0	×	O *24	0	0	×	×	×	0	O *22*23	0	0	0	0	O *22*23	0	0	0	0
	MELSEC-L series	S		L02CPU L02CPU-P L06CPU L06CPU-P L26CPU L26CPU-P L26CPU-BT L26CPU-PBT	0 *22	O *25	0	×	O *24	0	0	×	×	×	O *25	O *22	O *25	0	0	O *25	O *22	O *25	0	0	O *25
	MELSEC-F serie	s		FX0 FX0S FX0N FX1 FX1S FX1N FX1NC	×	0	×	×	×	×	×	×	×	×	0	×	0	×	×	0	×	0	×	×	0
				FX2 FX2C	×	0	×	×	×	×	×	×	×	×	0	×	0	×	×	0	×	0	×	×	0
				FX2N FX2NC	×	0	×	×	×	×	×	×	×	×	0	×	0	×	×	0	×	0	×	×	0

For the details of the connection configuration, please refer to the GOT2000 Series Connection Manual.

											С	onne	ectio	n typ	e								
							GT	27/G	T25							GT23	3				GT21		
ı	Series	Model name	Ethernet connection	Direct CPU connection	Serial communication connection	돋춫	nk E	CC-Link connection (intelligent device station)	CC-Link connection (via G4) ⁸⁴	Bus connection *2	MELSECNET/H connection	MELSECNET/10 connection **8	Multi-drop connection 84	Ethernet connection	Direct CPU connection	Serial communication connection	CC-Link connection (via G4) ⁸⁴	Multi-drop connection **4	Ethernet connection 85	Direct CPU connection	Serial communication connection	CC-Link connection (via G4) 🕯	Multi-drop connection **
PLC	MELSEC-F series	FX3G FX3GC FX3U FX3UC FX3S FX3GE	*18	0	×	×	×	×	×	×	×	×	0	O *18	0	×	×	0	O *18	0	×	×	0
C Controlle	er module	Q24DHCCPU-V Q24DHCCPU-VG Q24DHCCPU-LS Q12DCCPU-V*27	0	○ *6	O *26	O *7	O *27	0	0	0	0	0	○ *6 *26	0	O *6	O *26	0	0 *6 *26	0	○ *6	O *26	0	*6 *26
Safety controller	MELSEC-WS series	WS0-CPU0 WS0-CPU1 WS0-CPU3	×	0	×	×	×	×	×	×	×	×	×	×	0	×	×	×	×	O *28	×	×	×
	MELSEC iQ-R series	R16MTCPU R32MTCPU	0	×	0	0	0	0	×	×	×	×	×	0	×	0	×	×	0	×	0	×	×
		Q172CPU*30 Q173CPU*30	*16 *29	O *31	O *29	×	×	O *29	O *29	O *31	*16 *29	*16 *29	>29 *31	*16 *29	O *31	O *29	O *29	>29 *31	○ *16 *29	O *31	O *29	O *29	*29 *31
		Q172CPUN*30 Q173CPUN*30	O *16	0	0	×	×	0	0	0	O *16	O *16	0	O *16	0	0	0	0	O *16	0	0	0	0
		Q172HCPU Q173HCPU	○ *16	○ *6	0	×	×	0	0	0	○ *16	O *16	○ *6	O *16	○ *6	0	0	○ *6	O *16	○ *6	0	0	○ *6
Motion controller	MELSEC-Q series	Q172DCPU Q173DCPU	0 *16	O *6	0	0	×	0	0	0	O *16	O *16	○ *6	O *16	O *6	0	0	O *6	O *16	○ *6	0	0	O *6
	IWIELGEO-Q Series	Q172DCPU-S1 Q173DCPU-S1	*16*32	○ *6	0	0	×	0	0	0	○ *16	○ *16	○ * 6	0 *16*32	○ * 6	0	0	○ *6	0 *16*32	○ *6	0	0	○ *6
		Q172DSCPU Q173DSCPU	○ *16	O *6	0	0	×	0	0	0	O *16	0 *16	○ *6	O *16	O *6	0	0	O *6	O *16	○ *6	0	0	0 *6
		Q170MCPU*33	0 *16*32	0	0	0	O *8*34	0	0	0	0 *16	O *16	0	O *16*32	0	0	0	0	O *16*32	0	0	0	0
		Q170MSCPU-S1	0 *16	0	0	0	0 *34	0	0	0	0 *16	0 *16	0	0 *16	0	0	0	0	0 *16	0	0	0	0
MELSECN	ET/H remote I/O station	MR-MQ100 QJ72LP25-25 QJ72LP25G QJ72BR15	0	0	0	×	×	×	×	×	×	×	×	0	0	0	×	×	0	×	0	×	×
	Field Network head module	LJ72GF15-T2	×	×	0	×	0	×	×	×	×	×	×	×	×	0	×	×	×	×	0	×	×
	Field Network Ethernet adapter module		0	×	X	×	0	×	×	×	×	X	X	0	×	X No. Is	×	X	0	X	X	X	X

- CC-Link (via G4): connect to the CC-Link system via AJ65BT-G4-S3 or AJ65BT-R2N.
- When using bus connection, follow the precautions below.
- •Bus connection cannot be established with QCPU (A mode)
- •The number of connectable GOTs is restricted according to the CPU type and the number of intelligent function modules
- The GOT2000 series, GOT1000 series, and GOT-A900 series can be connected together in a system. Please refer to the following Technical Bulletins.

 "Precautions when Replacing GOT1000 Series with GOT2000 Series" No. GOT-A-0061
- "Precautions when Replacing GOT-A900 Series with GOT2000 Series" No. GOT-A-0062
- Includes the case on the MELSECNET/H network system in the MNET/10 mode. The GOT cannot be connected to the remote I/O network.
- When the number of connected slave GOTs and the device points of each GOT increase, the device update cycle on the screen may get slower. (Please consider 250 points as a guide of 1 GOT, and 750 points as a guide of the total points.)
- Only supported by GT2103-PMBD.
- Access via the serial port (RS-232) of QCPU in the multiple CPU system since the CPU has no serial port. Use a CC-Link IE Controller Network module with the upper five digits of the serial No. later than 09042.
- Use a CPU with the upper five digits of the serial No. later than 12012.
- When using the bus extension connector box (A9GT-QCNB), attach it to the extension base unit. (Connecting it to the main base unit is not allowed.)
- *10 Use a CPU and a CC-Link IE Controller Network module with the upper five digits of the serial No.
- later than 09042. Use a CPU of function version B or later or a CC-Link IE Controller Network module of function version D or later.
- *12 In the multiple CPU system, use a CPU or a MELSECNET/H network module of function version B or
- *13 GT2103-PMBD cannot be connected to Q00J, Q00, or Q01CPU.
- *14 When in multiple CPU system configuration, use a CPU of function version B or later
- *15 Use a CPU with the upper five digits of the serial No. later than 09012 or a CC-Link IE Controller Network module with the upper five digits of the serial No. later than 09011. When the total number of stations in a network is 65 or more, use a CC-Link IE Controller Network module with the upper five digits of the serial No. 09042 or later.
- *16 In the Ethernet, MELSECNET/H, or MELSECNET/10 connection, to monitor a QCPU in the multiple CPU system, always use a network module of function version B or later.
- *17 Use a CC-Link IE Controller Network module of function version D or later
- *18 The supported version of the main units varies depending on the Ethernet module to be used as shown below.

Ethernet module		CPU	
Ethernet module	FX3U(C)	FX3G(C)	FX3S
FX3U-ENET-L	Ver. 2.21 or later	FX3U-ENET-L is	s not supported.
FX3U-ENET-ADP	Ver. 3.10 or later	Ver. 2.00 or later	Ver. 1.20 or later

- *19 Use a CPU with the upper five digits of the serial No. later than 10042 or a CC-Link IE Controller Network module of function version D or later.
- *20 Use a CPU with the upper five digits of the serial No. later than 10032 or a CC-Link IE Controller Network module of function version D or later.
- *21 Use a CPU with the upper five digits of the serial No. later than 13042.
- *22 When using a LJ71E71-100, use a CPU with the upper five digits of the serial No. later than 14112.
- *23 Use a LJ71E71-100 since the CPU has no built-in Ethernet port.
- *24 Use a CPU with the upper five digits of the serial No. later than 13012.
- *25 The adapter L6ADP-R2 or L6ADP-R4 is required. When using the L6ADP-R4 adapter, use a CPU with the upper five digits of the serial No. later than 15102.
- *26 Use the serial port of a serial communication module controlled by another CPU on the multiple CPU system.
- *27 Use a CPU with the upper five digits of the serial No. later than 12042. *28 GT2103-PMBD cannot be connected to the MELSEC-WS series.
- *29 In Ethernet connection, serial communication connection, CC-Link (intelligent device station) connection, CC-Link (via G4) connection, MELSECNET/H connection, or MELSECNET/10 connection, use main modules with the following product numbers.
 Q172CPU: Product number N类学术学术学 or later
 Q173CPU: Product number M类学术学术学 or later

- *30 When using SV13, SV22, or SV43, use the motion controller CPU on which any of the following main OS software version is installed.
 - Ethernet connection, serial communication connection, CC-Link (intelligent device station) connection, CC-Link (via G4) connection, MELSECNET/H connection, MELSECNET/10 connection

SW6RN-SV13Q: 00H or later SW6RN-SV22Q: 00H or later SW5RN-SV43Q: 00B or later

■ Direct CPU connection, bus connection, multi-drop connection SW6RN-SV13Q□: 00E or later SW6RN-SV22Q□: 00E or later

SW5RN-SV43Q : 00B or later

- *31 In direct CPU connection, bus connection, or multi-drop connection, use main modules with the following product numbers.
 Q172CPU: Product number K****** or later
 Q173CPU: Product number J****** or later
- 32 PERIPHERAL I/F can be used.
- *33 When using SV43, use the CPU on which any of the following main OS software version is installed. SW7DC-SV43Q: 00F or later
- *34 Only the PLC CPU area (CPU No.1) can be monitored.

GOT2000 connectable model list

■ Modules usable when connected with Mitsubishi PLCs/motion controllers

●Ethernet connection

CPU series	Ethernet module
MELSEC iQ-R series Motion controller (MELSEC iQ-R series)	RJ71EN71
MELSEC-Q series (Q mode) MELSEC-QS series Motion controller (MELSEC-Q series)	QJ71E71-100 QJ71E71-B5 QJ71E71-B2 QJ71E71
MELSEC-L series	LJ71E71-100*1
MELSEC-F series	FX3U-ENET-L*2 FX3U-ENET-ADP*2

^{*1} Use a CPU with the upper five digits of the serial No. later than 14112.

●Serial communication connection

CRIL corios		Serial communication module 🥙									
CPU series	Model name	CH1	CH2								
	RJ71C24	RS-232	RS-422/485								
IELSEC iQ-R series Iotion controller (MELSEC iQ-R series)	RJ71C24-R2	RS-232	RS-232								
outer controller (MEEGEO 19 11 Solico)	RJ71C24-R4	RS-422/485	RS-422/485								
	QJ71C24*2	RS-232	RS-422/485								
	QJ71C24-R2*2	RS-232	RS-232								
ELSEC-Q series (Q mode)	QJ71C24N	RS-232	RS-422/485								
otion controller (MELSEC-Q series)	QJ71C24N-R2	RS-232	RS-232								
ELSECNET/H remote I/O station	QJ71C24N-R4	RS-422/485	RS-422/485								
	QJ71CMO*3	Modular connector	RS-232								
	QJ71CMON*3	Modular connector	RS-232								
ELSEC-L series	LJ71C24	RS-232	RS-422/485								
C-Link IE Field Network head module	LJ71C24-R2	RS-232	RS-232								

^{*1} Communication cannot be performed with RS-485.

●CC-Link IE Controller Network connection

CPU series	CC-Link IE Controller Network module
MELSEC iQ-R series Motion controller (MELSEC iQ-R series)	RJ71GP21-SX
MELSEC-Q series (Q mode) MELSEC-QS series C Controller module Motion controller (MELSEC-Q series)	QJ71GP21-SX*1 QJ71GP21S-SX*1

^{*1} When the CC-Link IE Controller Network is in the extended mode, use a module with the upper five digits of the serial No. 12052 or later.

●CC-Link IE Field Network connection

CPU series	CC-Link IE Field Network module
MELSEC iQ-R series Motion controller (MELSEC iQ-R series)	RJ71GF11-T2 RJ71EN71
MELSEC-Q series (Q mode) C Controller module	QD77GF16 QJ71GF11-T2
MELSEC-QS series	QS0J71GF11-T2
MELSEC-L series	LJ71GF11-T2

●CC-Link (intelligent device station) connection

CPU series	CC-Link module
MELSEC iQ-R series Motion controller (MELSEC iQ-R series)	RJ61BT11
MELSEC-Q series (Q mode) C Controller module Motion controller (MELSEC-Q series)	QJ61BT11 QJ61BT11N
MELSEC-L series	LJ61BT11

●CC-Link (via G4) connection

CPU series	CC-Link module	Peripheral module		
MELSEC-Q series (Q mode) C Controller module Motion controller (MELSEC-Q series)	QJ61BT11 QJ61BT11N	AJ65BT-G4-S3 AJ65BT-R2N		
MELSEC-Lseries	LJ61BT11			

 $[\]ensuremath{\$2}$ Options for extension controller may be required depending on the connected CPU.

^{*2} Either CH1 or CH2 can be used for the function version A.

Both CH1 and CH2 can be used together for the function version B or later.

^{*3} Only CH2 can be connected.

- Graphic Operation Terminal **GOT**

For the details of the connection configuration, please refer to the GOT2000 Series Connection Manual.

●MELSECNET/H connection

CPU series	MELSECNET/H module				
CFU Series	Optical loop	Coaxial bus			
MELSEC-Q series (Q mode) ^{sc1} MELSEC-QS series Motion controller (MELSEC-Q series)	QJ71LP21 QJ71LP21-25 QJ71LP21S-25	QJ71BR11* ¹			
C Controller module	QJ71LP21-25 QJ71LP21S-25				

^{*1} Use function version B or later of the MELSECNET/H network module and CPU.

●MELSECNET/10 connection

CPU series	MELSECNET/H (NET/10 mode), MELSECNET/10 module					
CPU series	Optical loop	Coaxial bus				
MELSEC-Q series (Q mode)*1 MELSEC-QS series Motion controller (MELSEC-Q series)	QJ71LP21 QJ71LP21-25 QJ71LP21S-25	QJ71BR11*1				
C Controller module	QJ71LP21-25 QJ71LP21S-25					

^{*1} Use function version B or later of the MELSECNET/H network module and CPU.

Inverter

	Series		GT27/GT25/GT23/GT21	
	Series	RS-422	RS-232	Multi-drop connection
	FREQROL-A800*1	0	×	×
	FREQROL-F800*1	0	×	X
	FREQROL-A700	0	×	×
	FREQROL-F700P	0	×	X
	FREQROL-F700	0	×	X
FREQROL series	FREQROL-E700	0	×	×
	FREQROL-F700PJ	0	×	X
FREQUOL Series	FREQROL-D700	0	×	X
	FREQROL-V500/V500L	0	×	×
	FREQROL-A500/A500L	0	×	×
	FREQROL-F500/F500L	0	×	×
	FREQROL-E500	0	×	×
	FREQROL-S500/S500E	0	×	×
	FREQROL-F500J	0	×	X
MELIPM series	MD-CX522- K	0	×	×
VIELIFIVI SEIIES	MD-CX522- K-A0	0	×	×

^{*1} GT21 does not support automatic negotiation.

Sensorless servo

Model name		GT27/GT25/GT23/GT21				
		RS-422	RS-232	Multi-drop connection		
Drive module	FREQROL-E700EX	0	×	×		

Servo amplifier

Series	Model name	GT27/GT25/GT23/GT21					
Series	woder name	RS-422	RS-232	Multi-drop connection			
MELSERVO-J4 series	MR-J4- A	0	0	×			
WELSERVO-J4 series	MR-J4- A-RJ	0	0	×			
MELSERVO-J3 series	MR-J3-□A	0	0	×			
	MR-J3-□T	0	0	×			
	MR-J2S-□A	0	0	×			
MELSERVO-J2-Super series	MR-J2S-□CP	0	0	×			
	MR-J2S-□CL	0	0	×			
MELSERVO-J2M series	MR-J2M-P8A	0	0	×			
	MR-J2MDU	0	0	×			
MELSERVO-JE series	MR-JE-□A	0	×	×			

GOT2000 connectable model list

Robot controller

						GT	27/GT25/GT2	3 ^{*5}				
Series Controller name		Connection type										
	Ethernet connection	Direct CPU connection	Serial communication connection	CC-Link IE Controller Network connection	CC-Link IE Field Network connection	CC-Link connection (intelligent device station) ^{\$1}	CC-Link connection (via G4)	Bus connection	MELSECNET/H connection	MELSECNET/10	Multi-drop connection	
	CR750-Q (Q172DRCPU)	O*3	O*4	0	0	0	0	0	0	0	0	×
F series	CR751-Q (Q172DRCPU)	O*3	0*4	0	0	0	0	0	0	0	0	×
	CR750-D	0	×	×	×	×	×	×	×	×	×	×
	CR751-D	0	×	×	×	×	×	×	×	×	×	×
SQ series	CRnQ-700 (Q172DRCPU)	O*3	O*4	0	0	0	0	0	0	0	0	×
SD series	CRnD-700	0	×	×	×	×	×	×	×	×	×	×

- *1 Connect the GOT as a CC-Link intelligent device station.
- *2 Only supports the case where MELSECNET/H is used in the MELSECNET/10 mode. Connection to the remote I/O network is not allowed.

 *3 The Display I/F of CRnQ-700, CR750/751-Q cannot be used. Ethernet connections can be established only via the Ethernet module (QJ71E71) or the built-in Ethernet port in the multiple CPU system (QnUDE).
- *4 Access via the serial port (RS-232) of QCPU in the multiple CPU system since CRnQ-700 and CR750/751-Q have no serial ports.
- *5 GT23 supports connection using Ethernet connection, direct CPU connection, serial communication connection, or CC-Link connection (via G4).

CNC

		GT27/GT25/GT23 ⁸⁵										
		Connection type										
Series	Model name		Direct CPU connection		Network		CC-Link connection (intelligent device station) ⁸⁹¹	CC-Link connection (via G4)	Bus connection	MELSECNET/H connection		Multi-drop connection
CNC C70*3	Q173NCCPU	0	O*4	0	0	0	0	0	0	0	0	×

- *1 Connect the GOT as a CC-Link intelligent device station.
- *2 Includes the connection where MELSECNET/H is used in the MELSECNET/10 mode. Connection to the remote I/O network is not allowed.
- *3 When using a CNC C70, the CNC monitor function, the CNC data I/O function, and the CNC machining program edit function can be used in bus connection and Ethernet connection (Display I/F connection only).
 The above functions are supported by the GOT models of which resolution is SVGA or higher.
 *4 Access via the serial port (RS-232) of QCPU in the multiple CPU system since CNC C70 has no serial port.
- *5 GT23 supports connection using Ethernet connection, direct CPU connection, serial communication connection, or CC-Link connection (via G4).

Power monitoring products

Series	Model name	GT27/GT25/GT23/GT21						
Series	Woder Hame	RS-485	RS-422	RS-232	Multi-drop connection			
Energy measuring unit	EMU4-BD1-MB	○ (2-wire type*1)	×	×	×			
EcoMonitorLight	EMU4-HD1-MB	○ (2-wire type*1)	×	×	×			
Electronic multi-measuring	ME110SSR-MB	○ (2-wire type*1)	×	×	×			
	ME96NSR-MB	○ (2-wire type*1)	×	×	×			

^{*1} Only MODBUS®/RTU connection is supported. Use the MODBUS®/RTU communication driver.

■ Applicable GOT models for each connection type

Model	lepending on the connection type. Connection type	Applicable model				
	RS-232					
	RS-422/485	All models (Built-in interfaces of the GOT can be used.)				
GT27/GT25	Ethernet					
	Other than above	All models (By mounting communication units on the GOT, bus connection, network connection, and others can be used.)				
	RS-232					
	RS-422/485	All models (Built-in interfaces of the GOT can be used.)				
	Ethernet					
	RS-232	GT2103-PMBDS				
0.704	RS-422/485	GT2103-PMBD GT2103-PMBDS				
GT21	Ethernet	GT2103-PMBD				
	CC-Link	GT2103-PMBD GT2103-PMBDS				



For the details of the connection configuration, please refer to the GOT2000 Series Connection Manual.

						GT27/GT25/	GT23/GT21		
Man	ufacturer	Mo	del name	Ethernet	Direct CPU			ation connection	EtherNet/IF
				connection	RS-422	RS-232	RS-422	RS-232 O#4 O#4 O#4 O #4 O	connection
	SYSMAC CJ1	CJ1H	CJ1M	0	×	0		¬ * 4	×
	OTOWAC COT	CJ1G							
	SYSMAC CJ2	CJ2H CJ2M		0	×	O*5			×
		CPM1	CPM1A	×	×	×	×	ř	×
	SYSMAC CPM			×	X	0	X		X
	SYSMAC COM1H								×
		CP1H	CP1L	×	×	X	0		X
	SYSMAC CP1	CP1E (N type)		×	×	O*6	O*6*7	Ication connection RS-232	×
OMRON Corporation	SYSMAC COM1			×	X	O*8	X	X	×
		CS1H	CS1D*3						×
			CV1000 CBU01 V		^				^
	SYSMAC CVM1/CV *9	CVM1-CPU01-V	CV2000-CPU01-V	×	(⊃ * 4	×	×	×
		CV500-CPU01-V						_	
									×
	SYSMAC C1000H	C1000H		×	×	×			×
	SYSMAC C2000H	C2000H		×	×	X	(*4	×
	SYSMAC α		C200HE	×	×	0	0	0	×
		KV-700	KV-3000	O*2					.,
KEYENCE CORPORATI	ON	KV-1000				-		_	×
				O*2	×	0	0	0	×
	DirectLOGIC	D0-05AA D0-05AD							
	05 series	D0-05AR	D0-05DR	×	×	0	0	0	×
KOYO ELECTRONICS	DirectLOGIC 06 series	D0-06DR	D0-06DD2-D	×	0	0	0	0	×
INDUSTRIES CO., LTD. *2	00 361163	D0-06DA	D0-06DR-D						
	Directl OGIC			×	×		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	×	
	205 series	D2-250-1	D2-260	×	ô	ő			×
	SYSNAC CPM	0	×						
			SU-6M						×
	I Z series		JW-50CUH						×
					^		0	*	^
Sharp Manufacturing Sys	stems Corporation*2				ļ ,	*4		~	×
					·	9		^	_ ^
				×	(ī —	×		×
			PC2J16PR-CPU	×	×	O*10	0	O*10	×
			PC2JR-CPU					o#10	
JTEKT Corporation*2				×	×	×	0	0*10	×
oreitti Gorporation	series	PC3JG-P-CPU	PC3JG-CPU	J X O*4 X X R-CPU X X O*10 O O* PU X X X O O* PU X X O*10 O O*	O*10	×			
		PC3JD-CPU	PC3JD-C-CPU	×	×	O*10	0	O*10	×
			PC3JL-CPU	×	0		0		×
	PROSEC		TON						×
	T series								×
TOSHIBA CORPORATION*2			1011						
OOTII OTIATION				×	0	×	×	×	×
	v series								
TOSHIBA MACHINE	TOmini carias		TC6-00	V	.,	_	.,	.,	
CO., LTD.	TOTHIN Series			_ ^	_ ^		^	^	×
								ate d	
	Large-sized H series			×	×	0	(O**4	×
	H 200 to 252 corios						_	~	×
HITACHI Industrial	11-200 to 252 series		F1-232C	^	_ ^		^	^	_ ^
Equipment Systems									
Co., Ltd.*2	Ll cariac board tupe							~	×
	n series board type			^	_ ^		^	^	_ ^
	EH 150 aprice							~	
	Lit-150 Selles			^	^		^	^	×
	S10V	LQP510							×
Hitachi Ltd.*2			LOD100	X	×	×	0	0	×
maoni Eta.	S10mini	LQP010		×	×	×	0	0	×
		LQP011							
FUJI ELECTRIC	MICREX-F	F55 F120S	F70 F15⊡S	×	×	×	0	_	×
CO., LTD.*2	IMIOTIEA'F	F140S	1 10_0	_ ^	_ ^	^			^
		FP0R	FP1-C24C						
		FP0-C16CT FP0-C32CT	FP1-C40C	×	×	0	×	×	×
		FP0-C32C1	FP5						
Panasonic Industrial Dev	rices SUNX Co., Ltd.	FP2SH	FP10 (S)	×	×	0	×	0	×
		FP3	FP10SH						
		FP-M (C20TC) FP-M (C32TC)	FP-Σ	×	×	0	×	×	×
		FP-X		×	×	0	0	0	×

Tilliu party	/ PLCS/Motion (controllers/Sat	ety controlle	ers					
						GT27/GT25/	GT23/GT21*	1	
Ma	anufacturer	Mode	el name	Ethernet					
		01400	01.400	connection	RS-422	RS-232	RS-422		connection
		GL120 GL60S	GL130 GL70H	×	×	0			X
		GL60H		×	×	×			×
		CP-9200SH		0	X	X	X		X
		CP-9300MS MP920		X	×	0			×
		MP930		×	×	0			X
ASKAWA Electric Cor	poration*2	MP940		×	0	Ö	X	×	X
		PROGIC-8		×	X	0	X	×	X
		CP-9200 (H)		×	X	0	X		X
		CP-312 CP-317		0	×	×			×
		MP2200	MP2300S	0	×	×			×
	FAFOO	MP2300					_	_	
	FA500	FA500 F3SP05	F3SP08	X 0	×	×		1	×
		F3SP10	1 301 00	×	×	×	×	_	×
		F3SP20	F3SP30	×	X	X	Ö	Sommunication connection	×
		F3FP36		0	×	X	0		X
	FA-M3	F3SP21	F3SP38						
okogawa Electric		F3SP25 F3SP28	F3SP53 F3SP58	0	×	0	0		×
orporation*2		F3SP35	F3SP59						
		F3SP66	F3SP67	0	X	0	0		×
		F3SP22-0S		×	X	0	X		X
	FA-M3V	F3SP71-4N F3SP71-4S		0	X	X			X
	FA-IVIOV	F3SP71-4S F3SP76-7S		0	×	×	×		×
	STARDOM	NFCP100	NFJT100	O*14	X	ô	X		X
		SLC500-20	SLC5/01						
	SLC500 series*11	SLC500-30	SLC5/02						
	SLC500 series	SLC500-40	SLC5/03 SLC5/04 SLC5/05	×	×	0	×	×	×
		1761-L10BWA	1761-L32AAA						
	MicroLogix1000 series	1761-L10BWB 1761-L16AWA	1761-L32AWA 1761-L32BWA						
	(digital CPU)	1761-L16BWA	1761-L32BWB	×	×	0	×	×	×
	*11*12*13	1761-L16BWB	1761-L32BBB						
		1761-L16BBB	·						
	MicroLogix1000 series (analog CPU)*11	1761-L20AWA-5A 1761-L20BWA-5A	1761-L20BWB-5A	×	×	0	×	×	×
	MicroLogix1200 series*11	1762-L24BWA		×	×	0	×	×	×
	MicroLogix1400 series*11	1766-L32AWA		×	X	0	X	x	X
llen-Bradley Rockwell Automation,	MicroLogix1500 series*11	1764-LSP		×	×	0	×		×
c.)* ²		1756-L 1756-L1M1	1756-L1M2 1756-L1M3	O*15	×	0	×		0
		1756-L55M12	1756-L55M22						
	One through a seize	1756-L55M13	1756-L55M23	O*15					
	ControlLogix series	1756-L55M14 1756-L55M16	1756-L55M24		_ ^		^		
		1756-L55W16	1756-L63						
		1756-L62	1730-L03	O*15	×	0	×	×	
		1756-L72S		O*15	×	×	×		0
		1769-L31							
	CompactLogix	1769-L32C 1769-L35CR		×	×	0	×		×
	series	1769-L32E		0 #15		_			
		1769-L35E		O*15	×	0	×	×	0
	FlexLogix series	1794-L33		×	×	0	×	×	O*16
	, ., .,	1794-L34		-,`	-,		-,	,	+
		IC693CPU311 IC693CPU313		×	×	×		0	×
	Series 90-30	IC693CPU323							
	Jenes 30-30	IC693CPU350	IC693CPU366						
		IC693CPU360 IC693CPU363	IC693CPU367 IC693CPU374	×	0	×	0	0	×
		IC697CGR772	IC697CPX772						
		IC697CGR935	IC697CPX782						
	Series 90-70	IC697CPM790	IC697CPX928 IC697CPX935						
	Genes 30-70	IC697CPU731 IC697CPU780	100910LV999	×	_ ^	_ ^			×
E Intelligent Platform	s.	IC697CPU788							
c.*2	-,	IC697CPU789			_	_			
		IC200UAA003 IC200UAR014	IC200UDR001	X	U	0	X	X	×
		IC200UAR014 IC200UDD104	IC200UDR001	×	×	0	×	×	×
		IC200UDD112	IC200UDR003					×	
		IC200UAA007	IC200UDR005						
	VersaMax Micro	IC200UAL004 IC200UAL005	IC200UDR006 IC200UDR010						
		IC200UAL006	IC200UDD064	×			~	~	×
		IC200UAR028	IC200UDD164	^	X O X X X O X X X O X X X O X X X O X X X O X X X O X X X X O O X X O O X X O O X X O O X X O X X X O X X X O X X X O X X X O X X X O X X X X X	^	_ ^		
		IC200UDD110 IC200UDD120	IC200UDR064 IC200UDR164						
		IC200UDD212							
	K300S	K4P-15AS		×	X	X	0	0	×
S Industrial Systems	K200S K120S	K3P-07 S K7M-D U		×	×	× 0	0	0	×
co., Ltd.*2									

Graphic Operation Terminal

For the details of the connection configuration, please refer to the GOT2000 Series Connection Manual.

						GT27/GT25/	GT23/GT21 ⁸⁶			
Man	ufacturer	Mode	el name	Ethernet	Direct CPU connection Serial communication connection Ether					
				connection	RS-422	RS-232	RS-422	RS-232	connection	
	Nexgenie 2000 PLC	P2210 P2211	P2213A P2214	×	0	0	×	×	×	
Mitsubishi Electric India Pvt. Ltd.	Nexgenie 1000 PLC	NG14RL NG14RN NG16ADL NG16ADN	NG16DL NG16DN	×	0	0	×	Communication connection E-422 RS-232 C	×	
	Twido	TWD LCAA 10DRF TWD LCAA 16DRF TWD LCAA 24DRF TWD LCAA 40DRF TWD LCAE 40DRF TWD LCDA 10DRF TWD LCDA 16DRF TWD LCDA 24DRF	TWD LMDA 20DRT TWD LMDA 20DTK TWD LMDA 20DUK TWD LMDA 40DTK TWD LMDA 40DUK	○ *14	×	×	×	×	×	
Schneider Electric SA*2	Modicon Premium	TSX P57 203M TSX P57 253M TSX P57 303M TSX P57 353M TSX P57 453M		O*14	×	×	×	×	×	
	Modicon Quantum	140 CPU 113 02 140 CPU 113 03 140 CPU 311 10 140 CPU 434 12A 140 CPU 434 12U	140 CPU 534 14A 140 CPU 534 14U 140 CPU 651 50 140 CPU 651 60 140 CPU 671 60	O*14	×	×	×	×	×	
SICK AG	Flexi Soft series	FX3-CPU000000 FX3-CPU130002	FX3-CPU320002	×	×	0	×	×	×	
		SIMATIC S7-200 series		O*2*17	X	0	×		×	
Siemens AG		SIMATIC S7-300 series		O*2	×	0	×		×	
5.56167ta		SIMATIC S7-400 series		O*2	X	0			×	
0140 0 11 12		SIMATIC S7-1200 series	15000	O*2*17	X	X	X	X	X	
SMC Corporation*2		LECA6	LECP6	l x	O <mark>*18</mark>	×	×	×	×	

- *1 Select an appropriate GT21 model depending on the connection type. For the details of applicable GOT models for each connection type, please refer to page 62. *2 GT21 cannot be connected.
- *3 Connectable only when a single communication unit is used in a single CPU system.*4 Either RS-422 or RS-232 can be selected.

- *5 Only CJ2M-CPU1 acan be connected.
 *6 Connection is not available with the E type CP1E.
- *7 For CP1E (N type) CPU modules with 20 or less I/O points, only the direct CPU connection is available.
 *8 The CQM1-CPU11 is unable to communicate with GOT since the CQM1-CPU11 has no RS-232 interface.
- *9 SYSMAC CVM1/CV can be used with a CPU version 1 or later. *10 An RS-232/RS-422 interface converter (TXU-2051) is required.

- *11 Connection to DH485 network is available via adapter (1770-KF3).
- *12 DH485 connection can be used with a CPU in the series C or later. (DH485 protocol is not supported by a CPU in the series B or earlier.)
- *13 One-to-one connection is supported by a CPU in the series D or later. (DF1 half duplex is not supported by a CPU in the series C or earlier.)
- *14 Only MODBUS*TCP connection is supported. Use a MODBUS/TCP communication driver.
 *15 EtherNet/IP (PCCC protocol) is supported.

- *16 Use EtherNet/IP Tag.

 *17 Only OP communication can be used in Ethernet connection of the S7-200 series and the S7-1200 series.
- $\textcolor{red}{\textbf{$\star$18 Only MODBUS}} \textcolor{blue}{\text{\wedgeRTU connection is supported. Use MODBUS/RTU communication driver.}}$

■ Modules usable when connected with third party serial communication connection, Ethernet connection, Ethernet/IP connection modules

Ma	nufacturer	Ethernet	RS-422	RS-232	EtherNet/IP
OMRON Corporation	Host link unit Communication unit Communication board Ethernet module	CJ1W-EIP21 CJ1W-ETN21 CS1D-ETN21D CS1W-EIP21 CS1W-ETN21 CP1W-CIF41	CP1Q-CIF11 CJ1W-SCU31-V1 CJ1W-SCU31-V1 CP1W-CIF11 CP1W-CIF12 COM1-SCB41 CS1W-SCB41 (-V1) C200H-LK202-V1 C200H-LK202-V1 C200HW-COM03 C200HW-COM06 C500-LK201-V1	CJ1W-SCU21 (-V1) CJ1W-SCU41 (-V1) CPM1-CIF01 CPM2C-CIF01-V1 CPW2C-CIF01-V1 CPW-CIF01 COM1-CIF02 CQM1-SCB41 CS1W-SCB41 (-V1) CS1W-SCB41 (-V1) CS1W-SCB41 CS1W-SCB41 C200HW-COM02 C200HW-COM05 C200HW-COM05 C200HW-COM05 C200HU-COM06 C200H-LK201-V1	-
KEYENCE CORPORATION	Multi-communication unit Ethernet module	KV-LE20V KV-LE21V	KV-L20 KV-L20R KV-L20V	KV-L20 KV-L20R KV-L20V	-
KOYO ELECTRONICS INDUSTRIES CO., LTD.	Data communications module Host link module	-	D0-DCM D2-DCM U-01DM	D0-DCM D2-DCM U-01DM	-
Sharp Manufacturing Systems Corporation	Link unit	-	JW-10CM JW-21CM ZW-10CM	-	-
JTEKT Corporation	Link unit	-	THU-2755 THU-2927 THU-5139	-	-
Hitachi Industrial Equipment Systems Co., Ltd.	Intelligent serial port module	-	COMM-H COMM-2H	COMM-H COMM-2H	-
Hitachi, Ltd.	Communication module	-	LQE165 LQE565	LQE060 LQE160 LQE560	-
	RS-232C interface card		-	NV1L-RS2	
FUJI ELECTRIC CO., LTD.	RS-232C/485 interface capsule	_	FFK120A-C10	FFK120A-C10	_
	General-purpose interface module		FFU120B NC1L-RS4	FFU120B NC1L-RS2	
Panasonic Industrial Devices SUNX Co., Ltd.	Computer communication unit Communication cassette	-	AFPX-COM3	AFPG801 AFPG802 AFPX-COM1 AFPX-COM2 AFPX-COM4 AFP2462 AFP3462 AFP5462	-

Specifications

GOT2000 connectable model list

■ Modules usable when connected with third party serial communication connection, Ethernet connection, Ethernet/IP connection modules

Ma	nufacturer	Ethernet	RS-422	RS-232	EtherNet/IP
YASKAWA Electric Corporation	MEMOBUS module Communication module	CP-218IF 218IF 218IF-01 218IF-02*1 218IF-02*1 218TXB	JAMSC-IF612 JAMSC-120NOM27100 217IF 217IF-01	CP-217IF JAMSC-IF60 JAMSC-IF61 217IF 217IF-01 218IF-01 218IF-02*1	-
Yokogawa Electric Corporation	PC link module Ethernet interface module	F3LE01-5T F3LE11-0T F3LE12-0T	F3LC11-2N LC02-0N	F3LC01-1N F3LC11-1F F3LC11-1N F3LC12-1F LC01-0N LC02-0N	-
Allen-Bradley (Rockwell Automation, Inc.)	EtherNet/IP communication module	1756-ENBT 1756-ENET 1756-EN2TR	-	-	1756-ENBT 1756-ENET*2 1756-EN2TR 1788-ENBT/A
GE Intelligent Platforms, Inc.	Communication module	-	IC693CMM311 IC697CMM711	IC693CMM311 IC697CMM711	-
	Cnet I/F unit	-	G7L-CUEC	G7L-CUEB	-
LS Industrial Systems Co., Ltd.	Cnet I/F module	-	G4L-CUEA G6L-CUEC	G4L-CUEA G6L-CUEB	-
Schneider Electric SA	Ethernet module	TSX ETY 4102 TSX ETY 5102 140 NOE 771 00 140 NOE 771 10 140 NWM 100 00	-	-	-
Siemens AG	Ethernet module	CP 243-1 CP 243-1 IT CP 343-1 CP 343-1 CP 343-1 Advanced CP 343-1 IT CP 343-1 CP 443-1 CP 443-1 CP 443-1 IT CP 443-1 Advanced-IT	-	-	-

^{*1} When connecting MP2200, MP2300, or MP2300S using Ethernet connection or RS-232 connection, use a CPU of the software version 2.60 or later. *2 Use an EtherNet/IP communication module 1756-ENET of the version B or later.

Servo amplifier

:					
Manufacturer	Madelnesse	GT27/GT25			
wanuracturer	Model name	RS-485	RS-232		
	MINAS A4 series	0	0		
Panasonic Corporation	MINAS A4F series	0	0		
i anasonic corporation	MINAS A4L series	0	0		
	MINAS A5 series		0		

Robot controller

	M	Maria		GT27/GT25		
	Manufacturer	Mode	I name	RS-422	RS-232	
	ROBO CYLINDER RCA series dedicated program controller	ASEL	ASEL	×	0	
	program controller	PSEL	PSEL	×	0	
	Single-axis robot/linear servo/ ROBO CYLINDER RCS2 program controller	SSEL	SSEL	×	0	
AI Corporation -SEL controller	Manufacturer	0				
	SCARA robot controller	X-SEL	XSEL-KTX XSEL-KX XSEL-PX	×	0	
	positioner controller		ACON-CG ACON-CY ACON-PL ACON-PO ACON-SE	0	0	
	ERC2 built-in positioner controller	ERC2		0	0	
AI Corporation IOBO CYLINDER		PCON	PCON-CA*1 PCON-CF PCON-CFA*1 PCON-CG PCON-CY PCON-PL PCON-PO	0	0	
			SCON-C	0	0	
OSHIBA MACHINE CO., LTD.	SCARA robot controller	TS2000 TS2100		×	0	

^{*1} Use PCON-CA or PCON-CFA of V0002 or later.



For the details of the connection configuration, please refer to the GOT2000 Series Connection Manual.

Temperature controllers/Other control equipment

Manu	facturer	Model na	me		GT27/GT25/	RS-232 Etherne		
				RS-485	RS-422	RS-232	Ethernet	
	AHC2001	AHC2001		○ (4-wire type*11)	×	0	×	
	AUR	AUR350C AUI	R450C	○ (2-wire type*1)	×	O* ²	×	
	CMC	CMC10B		O (4-wire type)	×	O*2	×	
	0145	CMF015		○ (2-wire type*1)	×	O*2	×	
	CMF	CMF050		○ (2-wire type*1/4-wire type)	×	O*2	×	
	CML	CML		O (2-wire type*1/4-wire type)	×	O*2	×	
	CMS	CMS		○ (2-wire type*1)	×	0*2	×	
	OWO	DMC10			×	O*2	×	
	DMC			O (2-wire type*1)				
		DMC50		○ (2-wire type*1/4-wire type)	×	X	×	
	MPC	MPC		O (2-wire type*1)	×	O*2	×	
	MQV	MQV		O (2-wire type*1)	×	O*2	×	
	MVF	MVF		○ (2-wire type*1)	×	O*2	×	
Azbil Corporation		NX-D15 NX-D25 NX-D35		○ (2-wire type*1*9)	×	×	O*10	
	NX		-DY1 -DY2	○ (2-wire type*1*9)	×	×	O*10	
		NX-S01 NX-S12 NX-S11 NX-S21		○ (2-wire type*1*9)	×	×	O*10	
		SDC15 SDC35 SDC25 SDC36 SDC26 SDC36 SDC3		○ (2-wire type*1)	×	O*2	×	
	SDC	SDC45 SDC46		○ (2-wire type ^{*1})	×	O* ²	×	
		SDC20 SDC40A SDC21 SDC40B SDC30 SDC40G SDC31 SDC40G		○ (2-wire type*1/4-wire type)	×	○* ²	×	
	PBZ	PBC201-VN2		○ (2-wire type*1/4-wire type)	×	O*2	×	
	RX	RX		O (2-wire type*1)	×	O*2	×	
	INPANEL NEO	E5ZN		○ (2-wire type*1)	×	0*2	×	
OMRON		E5AN E50	CN					
Corporation	THERMAC NEO ACS-13A series	E5EN E50 ACS-13A □/□,□,C5*8		(2-wire type*1)	×	O*2	×	
	DCL-33A series	DCL-33A-\(\text{\Bar}\)/M,\(\text{\Bar}\),C5*8		○ (2-wire type*1)	×	O*2	×	
	JC series	JCD-33A-\ \ \ \ \C5*8 JCR-33A-\ \ \ \ \C5*8		○ (2-wire type*1)	×	O*2	×	
	JCM-33A series	JCS-33A-\ \ \ \ C5*8 JCM-33A-\ \ \ \ C5*8		○ (2-wire type*¹)	×	O*2	×	
Ì	FCR-100 series	FCR-13A- /M,C FCR-15A- /M,C		×	×	O*4	×	
Shinko Technos Co., Ltd.	FCD-100 series	FCD-13A-□/M,C FCD-15A-□/M,C		×	×	O* ⁴	×	
	FCR-23A series	FCR-23A-\(\text{\textit{/M,C}}\)		×	×	O* ⁴	×	
		PC935-\(\text{/M,C} \) PC935-\(\text{/M,C5*8} \)		X ○ (2-wire type*1)				
	PC-900 series	PC955/M,C PC955/M,C5*8		×	×	O* ⁴	×	
	DOD 000			○ (2-wire type*1)		○#4		
	PCD-300 series	PCD-33A-_/M,C5*8		○ (2-wire type*1)	×	0*4	×	
	FIR series	FIR-201-M,C		×	×	O*4	×	
	JIR-301-M series	JIR-301-□,C5*8		○ (2-wire type*1)	×	O*2	×	
	AH3000 series	AH3000		O (2-wire type)	0	0	×	
	AL3000 series	AL3000		○ (2-wire type)	0	0	×	
	DB1000 series	DB1000		○ (2-wire type)	0	0	×	
	DB2000 series	DB2000		○ (2-wire type)	0	0	×	
	DZ1000 series	DZ1000*7		(2-wire type)	0	0	×	
	DZ2000 series	DZ2000*7		(2-wire type)	0	0	×	
	GT120 series	GT120		(2-wire type)	×	O*2	×	
CHINO CORPORATION	JU series	JU		O (2-wire type)	0	X	×	
CONFUNATION	KE series	KE3000		O (2-wire type)	0	X	×	
	KP series		2000	○ (2-wire type)	0	0	×	
	LE5000 series	LE5000		○ (2-wire type)	0	×	×	
	LT230 series	LT230		○ (2-wire type)	×	O*2	×	
	LT300 series	LT350 LT3	370	○ (2-wire type)	0	0	×	
	LT400 series	LT450 LT4	470	○ (2-wire type)	0	0	×	
	LT830 series	LT830		○ (2-wire type)	×	O*2	×	
	SE3000 series	SE3000		○ (2-wire type)	0	0	×	
UJI ELECTRIC O., LTD.	Micro Controller X	PXH PXI	G4/5/9	○ (2-wire type*¹)	×	O*2	×	
	GREEN series (UM)	UM330 UM	R3/4/5/9 1350 1351	○ (2-wire type*1)	×	O*2	×	
	GREEN series (UP)		550	○ (2-wire type* ¹ /4-wire type)	×	O* ²	×	
	(OI)	UP750		○ (2-wire type*1)	×	O*2	×	
okogawa Electric	GREEN series (US)	US1000		(2-wire type*1)	×	O*2	×	
corporation	GREEN series (UT)	UT320 UT4 UT321 UT5 UT350 UT5	450 520 550	(2-wire type*1/4-wire type)	×	O*2	×	
	1	UT351 UT551 UT420 UT750						

GOT2000 connectable model list

Temperature controllers/Other control equipment

Manu	facturer	Model			GT27/GT25/	GT23	
wanu	lacturer	Woder	name	RS-485	RS-422	RS-232	Ethernet
	UT100 series (UP)	UP150		○ (2-wire type*1)	×	O*2	×
	UT100 series (UT)		UT152 UT155	○ (2-wire type*1)	×	O*2	×
	UT2000 series	UT2400	UT2800	O (4-wire type)	×	O*2	×
Yokogawa Electric Corporation	UTAdvanced series (UM)	UM33A		○ (2-wire type*1/4-wire type)	×	O*2	O*10
Corporation	UTAdvanced series (UP)	UP35A	UP55A	○ (2-wire type*1/4-wire type)	×	O* ²	O* ¹⁰
	UTAdvanced series (UT)				×	O*2	O*10
	(01)	UT52A		○ (2-wire type*1)			
	SR Mini HG			○ (2-wire type*1)	0	0	×
	Sh Willi Fig	H-PCP-A	H-PCP-B*7	×	0	0	×
	SRZ	Z-CT Z-DIO Z-TIO		○ (2-wire type*1*6)	○ * ⁵	O*2	○* ¹⁰
	CB*7	CB100 CB700 CB400 CB900 CB500		○ (2-wire type*1)	×	O*2	×
	FD.	FB100		○ (2-wire type/4-wire type)	×	O*2	O*10
	FB	FB400	FB900	O (2-wire type/4-wire type)	0	0	O*10
RKC INSTRUMENT	RB		RB700 RB900	(2-wire type)	×	O*2	×
INC.	PF	PF900	PF901	O (2-wire type/4-wire type)	0	0	×
	НА		HA900 HA901	○ (2-wire type/4-wire type)	0	0	×
	RMC	RMC500		O (2-wire type)	×	O*2	×
	MA	MA900	MA901	O (2-wire type/4-wire type)	0	0	×
	AG	AG500		O (2-wire type/4-wire type)	0	×	×
	THV	THV-A1		O (2-wire type/4-wire type)	0	×	×
	SA	SA100	SA200	○ (2-wire type)	×	O*2	×
	SRX	X-TIO		O (2-wire type)	×	O* ²	×
	SB1	SB1		O (2-wire type)	×	O*2	×
	B400	B400		○ (2-wire type)	0	×	×

- *1 GT27/GT25: Use GT15-RS4-TE or FA-LTBGT2R4CBL_.

 The RS-422/485 interface and GT15-RS4-9S cannot be used.
 GT23: Use FA-LTBGT2R4CBL_. The RS-422/485 interface cannot be used.

 *2 If the temperature controller/indicating controller has an RS-485 interface, use an RS-232/RS-485 converter for the manufacturer
- *3 If the temperature controller/indicating controller has an RS-422 interface, use an RS-232/RS-422 converter for the manufacturer.
- *4 Only the indicating controller equipped with RS-232 communication function can be connected.
- *5 Use a communication extension module (Z-COM).

- *6 Use a communication extension module (Z-COM) depending on the system configuration of the temperature controller.
- *7 Select a model that supports the MODBUS® communication function.
 *8 Connectable with the products manufactured in October 2007 or later (Indicating controllers with the serial numbers 07Axxxxxx, 07Kxxxxxx, and 07Xxxxxxx or later).
- *9 Only MODBUS*/RTU connection is supported. Use MODBUS/RTU communication driver.
- *10 Only MODBUS*TCP connection is supported. Use a MODBUS/TCP communication driver.
 *11 Use a serial communication unit SCU.

MODBUS® device

 $Communication \ with \ MODBUS/TCP \ communication \ driver.$ (GT21 supports MODBUS®/RTU connection only.)

For the MODBUS® devices, which have been checked for operation, please refer to the Technical Bulletin "List of Valid Devices Applicable for GOT2000 Series MODBUS® Connection" No. GOT-A-0070

Computer

By connecting a PC, microcomputer board, PLC, etc. to a GOT, the data can be written to or read from virtual devices of the GOT.

■ Applicable GOT models for each connection type

The GOT to be used differs depending on the connection type.

Model	Connection type	Applicable model							
	RS-232								
GT27/GT25	RS-422/485	All models (Built-in interfaces of the GOT can be used.)							
G127/G125	Ethernet								
	Other than above	All models (By mounting communication units on the GOT, bus connection, network connection, and others can be used.)							
	RS-232								
GT23	RS-422/485	nodels (Built-in interfaces of the GOT can be used.)							
	Ethernet								
	RS-232	GT2103-PMBDS							
GT21	RS-422/485	GT2103-PMBD GT2103-PMBDS							
G121	Ethernet	GT2103-PMBD							
	CC-Link	GT2103-PMBD GT2103-PMBDS							

Graphic Operation Terminal **FOT**

For the details of the connection configuration, please refer to the GOT2000 Series Connection Manual.

GT SoftGOT2000 Version1 connectable model list

Mitsubishi PLCs/C Controller modules/Safety controllers/Motion controllers

			I modules				Connect		_			
	Series			Model name	Ethernet	Direc	t CPU	Serial	CC-Link IE	CC-Link IE	MELSECNET/H	MELSECNET/10
	361163			Woder Hame	connection	RS-232	ection USB	communication connection	CC-Link IE Controller Network connection	CC-Link IE Field Network connection	connection	connection **
			_	R04CPU		H5-232	055	Connection	connection	connection		
				R08CPU	1							
	MELSEC iQ-R series			R16CPU	0	×	0	0	×	×	×	×
				R32CPU R120CPU	1							
				Q03UDVCPU								
		High-spe		Q04UDVCPU	400				***	-	****	****
		universa QCPU	al model	Q06UDVCPU Q13UDVCPU	O*23	O*19	0	0	O*2	O*4	O*23	O*23
		40.0		Q26UDVCPU	1							
				Q00UJCPU								
				Q00UCPU Q01UCPU	-				O*2			
				Q02UCPU	1				. 40			
		Universa	l model	Q03UDCPU					O*3			
		QCPU	i illouei	Q04UDHCPU	O* ²³	0	0	0	O*3	O* ⁴	O* ²³	O* ²³
				Q06UDHCPU Q10UDHCPU								
				Q13UDHCPU	1				O* ²			
				Q20UDHCPU					0			
				Q26UDHCPU Q03UDECPU					O*3			
				Q04UDEHCPU					0			
				Q06UDEHCPU								
	MELSEC-Q series		Built-in Ethernet type	Q10UDEHCPU	O*23	O*18			0.82	O*4	O* ²³	O*23
	(Q mode)			Q13UDEHCPU Q20UDEHCPU	1	0	0	0	O*2		0.	
				Q26UDEHCPU	1							
				Q50UDEHCPU								
				Q100UDEHCPU Q00JCPU								
		Basic mo	odel	Q00CPU*5	O*23	0	×	0	O*5	×	O*23	O*23
		-		Q01CPU*5			· ·					
		High perf	formance	Q02CPU*5 Q02HCPU*5	-		×					
		model	ioimance	Q06HCPU*5	O*23	0	0	0	O* ⁷	×	O* ²³	O*23
PLC		QCPU		Q12HCPU*5								
				Q25HCPU*5 Q02PHCPU								
		Process	CDU	Q06PHCPU	O*23	0	0	0	O*8	×	O*23	O*23
		1100033 01 0		Q12PHCPU					O*9	_ ^	0	
		Redunda	ant CDI I	Q25PHCPU Q12PRHCPU								
		(main ba		Q25PRHCPU	0	0	0	×	O*9	×	O*10	O*10
		Redunda		Q12PRHCPU	0	×	×	0	×	×	×	×
	MELSEC-QS series	(extension base)		Q25PRHCPU QS001CPU	0	×	O*11	×	O*12	O*13	0	0
				L02SCPU	O*14 0*15	0	0	0	×	O*16	×	×
				L02SCPU-P	*15		0		^	0	^	
				L02CPU L02CPU-P	-							
	MELSEC-L series			L06CPU								
	MELSEC-L Selles			L06CPU-P	0*14	O*17	0	0	×	O*16	×	×
				L26CPU L26CPU-P								
				L26CPU-BT								
				L26CPU-PBT								
				FX0 FX0S	×	0	×	×	×	×	×	×
				FX0N			.,		.,			
				FX1								
				FX1S FX1N	×	0	×	×	×	×	×	×
				FX1NC								
				FX2	×	0	×	×	×	×	×	×
	MELSEC-F series			FX2C FX2N								
				FX2NC	×	0	×	×	×	×	×	×
				FX3G	0	0	0	×	×	×	×	×
			FX3GC FX3U	_		_						
			FX3UC			,.						
				FX3S	0	0	×	×	×	×	×	×
				FX3GE Q24DHCCPU-V								
0.0				Q24DHCCPU-VG	1	410 م		e #10	c #3	~ *2 0		
C Controller m	C Controller module			Q24DHCCPU-LS	0	O*18	0	O*19	O*3	O*20	0	0
				Q12DCCPU-V*20								

GT SoftGOT2000 Version1 connectable model list

Mitsubishi PLCs/C Controller modules/Safety controllers/Motion controllers

	Series		Connection type							
			Ethernet connection	Direc conne	ection	Serial communication	CC-Link IE Controller Network	CC-Link IE Field Network connection	MELSECNET/H connection	MELSECNET/10 connection 🤲
			0011110011011	RS-232	USB	connection	connection		0011110011011	
0-1-1		WS0-CPU0								
controller	Safety MELSEC-WS series	WS0-CPU1	×	×	×	×	×	×	×	×
		WS0-CPU3								
	MELSEC iQ-R series	R16MTCPU	×	×	×	×	×	×	×	×
	WEEDED IQ 11 SCIICS	R32MTCPU	^	^	^	^	^	^	^	^
		Q172CPU	×	×	×	×	×	×	×	×
		Q173CPU	^	^	^	^		^	^	^
		Q172CPUN	×	×	×	×	×	×	×	×
		Q173CPUN								
		Q172HCPU	×	×	×	×	×	×	×	×
		Q173HCPU								
Motion		Q172DCPU	×	×	×	×	×	×	×	×
controller	MELSEC-Q series	Q173DCPU	- x							
		Q172DCPU-S1		×	×	×	×	×	×	×
		Q173DCPU-S1								
		Q172DSCPU	O*23	O*18	0	0	0	×	O*23	O*23
		Q173DSCPU	400	-					400	
		Q170MCPU*21*22	O*23	0	0	0	0	O*4	O*23	O*23
		Q170MSCPU*22	O*23	0	0	0	0		O*23	O*23
		Q170MSCPU-S1*22								
		MR-MQ100 QJ72LP25-25	×	X	×	×	×	×	×	×
	MELSECNET/H remote I/O station					l	×	×		
MELSECNET			×	0	×	×			×	×
		QJ72BR15								
	eld Network head module	LJ72GF15-T2	X	X	0	0	X	0	×	X
CC-Link IE Fie	eld Network Ethernet adapter module	NZ2GF-ETB*24	0	X	×	×	X	×	×	×

- *1 Includes the connection where MELSECNET/H is used in the MELSECNET/10 mode. Connection to the remote I/O network is not allowed.
- Use a CC-Link IE Controller Network module with the upper five digits of the serial No. later than 09042. Use a CPU and a CC-Link IE Controller Network module with the upper five digits of the serial No.
- later than 09042.

- later than 09042.

 4 Use a CPU with the upper five digits of the serial No. later than 12012.

 5 Use a CPU of function version B or later or a CC-Link IE Controller Network module of function version D or later.

 6 For the multiple CPU system configuration, use a CPU of function version B or later.

 7 Use a CPU with the upper five digits of the serial No. later than 09012 or a CC-Link IE Controller Network module with the upper five digits of the serial No. later than 09011.

 When the total number of stations in a network is 65 or more, use a CC-Link IE Controller Network module with the upper five digits of the serial No. later than 09011.

 8 Use a CC-Link IE Controller Network module of function version D or later.

 9 Use a CPU with the upper five digits of the serial No. later than 10042 or a CC-Link IE Controller Network module of function version D or later.

 10 Use a MELSECNET/H interface board driver (SWODNC-MNETH-B) with the version K or later.

- *11 Only the host station and the host station settings can be accessed. (Access to other stations or other PLC CPUs are not allowed.)
- *12 Use a CPU with the upper five digits of the serial No. later than 10032 or a CC-Link IE Controller Network module of function version D or later.

- *13 Use a CPU with the upper five digits of the serial No. later than 13042.
 *14 When using a LJ71E71-100, use a CPU with the upper five digits of the serial No. later than 14112.
 *15 Use a LJ71E71-100 insone L02SCPU and L02SCPU-P have no built-in Ethernet port.
 *16 Use a CPU with the upper five digits of the serial No. later than 13012.
 *17 The adapter L6ADP-R2 is required.
 *18 Access via the serial port (R5-232) of QCPU in the multiple CPU system since QnUDEHCPU, Q12DCCPU, Q24DHCCPU-VVG/LS, Q172DS/173DSCPU, Q173NCCPU, and Q172DRCPU have no serial port.
 *19 Use the serial port of a serial communication module controlled by another CPU on the multiple CPU system.

- *19 Use the senal port of a senal communication module controlled by another CPU on the multiple CPU system.
 *20 Use a CPU with the upper five digits of the serial No. later than 12042.
 *21 When using SV43, use the motion controller CPU on which any of the following main OS software version is installed.
 *22 Morrow SW430_: 00F or later
 *22 Only the PLC CPU area (CPU No.1) can be connected. The PERIPHERAL I/F cannot be used.
 *23 In the Ethernet, MELSECNET/H, or MELSECNET/10 connection, to monitor a QCPU in the multiple CPU system, always use a network module of function version B or later.
 *24 Devices of other stations can be monitored via NZ2GF-ETB. (Devices of the host station cannot be monitored.)

■ Modules usable when connected with Mitsubishi PLCs

Ethernet connection

PLC Ethernet module

CPU series	Ethernet module
MELSEC iQ-R series	RJ71EN71
MELSEC-Q series (Q mode) MELSEC-QS series Motion controller (MELSEC-Q series)*1	QJ71E71-100 QJ71E71-B5 QJ71E71-B2 QJ71E71
MELSEC-L series	LJ71E71-100* ²
MELSEC-F series	FX3U-ENET-L*3 FX3U-ENET-ADP*3

- *1 For the connection with motion controller CPUs (Q series), only the PLC CPU area (CPU No.1) of the Q170MCPU/Q170MSCPU is available.

 *2 When using a LJ71E71-100, use a CPU with the upper five digits of the serial No. later than 14112.

 *3 Options for extension controller may be required depending on the connected CPU.

Serial communication connection*1

PLC serial communication module

CPU series		Serial communication module					
MELSEC iQ-R series	RJ71C24 RJ71C24-R2						
MELSEC-Q series (Q mode) Motion controller (MELSEC-Q series)*2	QJ71C24 QJ71C24-R2 QJ71C24N QJ71C24N-R2	QJ71CMO QJ71CMON					
MELSEC-L series CC-Link IE Field Network head module	LJ71C24 LJ71C24-R2						

^{*1} Only RS-232 communication can be used.
*2 For the connection with motion controller CPUs (Q series), only the PLC CPU area (CPU No.1) of the Q170MCPU/Q170MSCPU is available

- Graphic Operation Terminal

For the details of the connection configuration, please refer to the GOT2000 Series Connection Manual.

● CC-Link IE Controller Network connection

• Network module (PLC side)

CPU series	CC-Link IE Controller Network module
	QJ71GP21-SX QJ71GP21S-SX

^{*1} For the connection with motion controller CPUs (Q series), only the PLC CPU area (CPU No.1) of the Q170MCPU/Q170MSCPU is available.

• Network interface board (PC side)

PLC type	Network interface board
	Q80BD-J71GP21-SX Q80BD-J71GP21S-SX
	Q81BD-J71GP21-SX (optical loop) Q81BD-J71GP21S-SX (optical loop, with external power supply function)

● CC-Link IE Field Network connection

• Network module (PLC side)

CPU series	CC-Link IE Field Network module
MELSEC-Q series (Q mode) Motion controller (MELSEC-Q series)*1	QJ71GF11-T2
MELSEC-QS series	QS0J71GF11-T2
MELSEC-L series	LJ71GF11-T2

^{*1} For the connection with motion controller CPUs (Q series), only the PLC CPU area (CPU No.1) of the Q170MCPU/Q170MSCPU is available.

• Network interface board (PC side)

PLC type	Network interface board
CC-Link IE Field Network	Q81BD-J71GF11-T2

● MELSECNET/H, MELSECNET/10 connection

• Network module (PLC side)

CPU series	MELSECNET/H, MELSECNET/10 module					
CFU Selles	Optical loop	Coaxial bus				
MELSEC-Q series (Q mode)*1 MELSEC-QS series Motion controller (MELSEC-Q series)*2	QJ71LP21 QJ71LP21-25 QJ71LP21S-25	QJ71BR11* ¹				
C Controller module	QJ71LP21-25 QJ71LP21S-25					

Network interface hoard (PC side)

• Network interface board (PC side)	
PLC type	Network interface board
MELSECNET/H	Q80BD-J71LP21-25 (optical loop) Q80BD-J71LP216-25 (optical loop, with external power supply function) Q80BD-J71LP216 (optical loop) Q80BD-J71BR11 (coaxial loop)
	Q81BD-J71LP21-25 (optical loop)

Mitsubishi robot controller

		Connection type									
Controller name		Ethernet	Direct CPU	Direct CPU connection		CC-Link IE	CC-Link IE	MELSECNET/H	MELSECNET/10		
		connection	RS-232	USB	communication connection		Field Network connection	connection	connection *1		
	CR750-Q(Q172DRCPU)	O**	0*3	0	0	O*4	0	0	0		
F series	CR751-Q(Q172DRCPU)										
r selles	CR750-D	0	×	×	×	×	×	×	×		
	CR751-D	1 ~	_ ^	^	^	^	^	^	^		
SQ series	CRnQ-700 (Q172DRCPU)	O*2	O*3	0	0	O*4	0	0	0		
SD series	CRnD-700	0	×	×	×	×	×	×	×		

*1 Only supports the case where MELSECNET/H is used in the MELSECNET/10 mode. Connection to the remote I/O network is not allowed.

*2 The Display I/F of CRnQ-700, CR750/751-Q cannot be used. Ethernet connections can be established only via the Ethernet module (QJ71E71) or the built-in Ethernet port in the multiple CPU system (QnUDE).

*3 Access via the serial port (RS-232) of QCPU in the multiple CPU system since CRnQ-700 and CR750/751-Q have no serial port.

*4 Use a CC-Link IE Controller Network module with the upper five digits of the serial No. later than 09042.

^{*1} Use function version B or later of the MELSECNET/H network module and CPU.

*2 For the connection with motion controller CPUs (Q series), only the PLC CPU area (CPU No.1) of the Q170MCPU/Q170MSCPU is available.

GT SoftGOT2000 Version1 connectable model list

Mitsubishi CNC

					Conn	ection type			
Series	Model	Ethernet	Direct CPU connection		Serial	CC-Link IE	CC-Link IE	MELSECNET/H	MELSECNET/10
Conco		connection	RS-232	USB	communication connection	Controller Network connection	Field Network connection	connection	connection®
CNC C70	Q173NCCPU	0	O*2	0	0	O*3	0	0	0

- *1 Only supports the case where MELSECNET/H is used in the MELSECNET/10 mode. Connection to the remote I/O network is not allowed.

 *2 Access via the serial port (RS-232) of OCPU in the multiple CPU system since CNC C70 has no serial port.

 *3 Use a CC-Link IE Controller Network module with the upper five digits of the serial No. later than 09042.

Third party PLCs/Motion controllers

				Connection type			
	Manufacturer	Mod	Model name		Direct CPU connection (RS-232)	Serial communication connection (RS-232)	
	SYSMAC CJ1	CJ1H CJ1G	CJ1M	0	0	×	
	SYSMAC CJ2	CJ2H		0	0	×	
	STSIMAC CJ2	CJ2M		0	O*1	×	
	SYSMAC CPM	CPM2A		×	0	×	
	SYSMAC CQM1H	CQM1H		X	0	×	
OMRON Corporation	SYSMAC CP1	CP1E (N type)		×	0	×	
OWNON Corporation	SYSMAC CQM1	CQM1		×	O*2	×	
	SYSMAC CS1	CS1H CS1G	CS1D*3	0	0	×	
	SYSMAC CVM1/CV*4	CVM-CPU11-V CVM1-CPU01-V CV500-CPU01-V	CV1000-CPU01-V CV2000-CPU01-V	×	0	×	
	SYSMAC α	C200HX C200HG	C200HE	×	0	×	
KEYENCE CORPORATI	ON	KV-700 KV-1000	KV-3000	o x		×	
		KV-5000	KV-5500	0	×	×	
		GL120	GL130	×	0	×	
		GL60S GL60H	GL70H	×	×	0	
		CP-9200SH		0	×	0	
		CP-9300MS		×	0	×	
		MP920		0	0	0	
YASKAWA Electric Corpo	aration	MP930		×	0	×	
TASKAWA Electric Corpo	oration	MP940		×	0	×	
		PROGIC-8		×	0	×	
		CP-9200(H)		×	0	×	
		CP-312		0	×	0	
		CP-317		0	×	0	
		MP2200 MP2300	MP2300S	0	×	0	
Yokogawa Electric Corporation	FA-M3	F3SP05 F3SP08 F3FP36 F3SP21 F3SP25 F3SP25 F3SP28	F3SP38 F3SP53 F3SP58 F3SP59 F3SP66 F3SP67	0	×	×	
	FA-M3V	F3SP71-4N F3SP71-4S F3SP76-7S		0	×	×	
Siemens AG		SIMATIC S7-200 series SIMATIC S7-300 series SIMATIC S7-400 series SIMATIC S7-1200 series	s s	0	×	×	

- *1 Only CJ2M-CPU1 can be connected.
 *2 Connection to the CQM1-CPU11 is not allowed since the CQM1-CPU11 has no RS-232 interface.
 *3 Connection is supported only when a single communication unit is used in a single CPU system configuration.
- *4 SYSMAC CVM1/CV can be used with a CPU version 1 or later.
 *5 Only OP communication can be used in Ethernet connection of the S7-200 series and the S7-1200

■ Modules usable when connected with third party serial communication connection or Ethernet connection modules

Manu	Manufacturer		Ethernet		-232
OMRON Corporation	Ethernet module	CS1W-ETN21 CS1D-ETN21D	CJ1W-ETN21		-
KEYENCE CORPORATION	Ethernet module	KV-LE20V	KV-LE21V		_
	MEMOBUS module Communication module	218IF 218IF-01 218IF-02*1 218TXB		JAMSC-IF60 JAMSC-IF61 CP-217IF 217IF	217IF-01 218IF-01 218IF-02*1
	Ethernet interface module	F3LE01-5T F3LE11-0T F3LE12-0T			-
Siemens AG	Ethernet module	CP343-1 IT CP343-1 CP343-1 Lean	CP343-1 Advanced CP443-1 IT CP443-1		-

^{*1} To connect MP2200, MP2300, or MP2300S using Ethernet connection or RS-232 connection, use a CPU of software version 2.60 or later.

MODBUS® device

Communication with $\mathsf{MODBUS}^{\scriptscriptstyle{(0)}}$ compatible devices is possible.

For the MODBUS® devices, which have been checked for operation, please refer to the Technical Bulletin "List of Valid Devices Applicable for GOT2000 Series MODBUS® Connection" No. GOT-A-0070.

- Graphic Operation Terminal **GOTEO**

For the details of the connection configuration, please refer to the GOT2000 Series Connection Manual.

Compatibility with Conventional Products

■Compatibility with GOT1000 series

The following shows the overview of replacing from the GOT1000 series. For the details, please refer to the following Technical Bulletins.

• Technical Bulletin "Precautions when Replacing GOT1000 Series with GOT2000 Series" No.GOT-A-0061 (GT16, GT15)

Panel cutting dimensions

The panel cutting dimensions are the same if the GOT1000 series and the GOT2000 series have the same screen size. Changing mounting holes is not required.

GOT1000 series		GOT2000 series
15"	GT1695, GT1595*	Same dimensions as GT2715.
12.1"	GT1685, GT1585	Same dimensions as GT2712, GT2512.
10.4"	GT167□, GT157□	Same dimensions as GT2710, GT2510.
8.4"	GT1665, GT156	Same dimensions as GT2708, GT2508.
3.7"	GT1020	Same dimensions as GT2103. (Although the screen size differs, panel cutting dimensions are the same.)

^{*} Discontinued product.

Communication units, option units

Communication units and option units for the GT16, GT15, or GT10 can be used with the GOT2000 series as-is except for the following devices.

	GOT1000 series		GOT2000 series	Remarks		
	RS-422 conversion unit	GT15-RS2T4-9P	Use the built-in RS-422/485 interface or			
	HS-422 conversion unit	GT15-RS2T4-25P	GT15-RS4-9S (serial communication unit)			
Ē	MELSECNET/10	GT15-75J71LP23-Z*	GT15-J71LP23-25 (MELSECNET/H connection unit)	Use MELSECNET/H connection unit in MELSECNET/10 mode.		
ation	communication unit	GT15-75J71BR13-Z*	GT15-J71BR13 (MELSECNET/H connection unit)	OSE MELSECINE I/H CONNECTION UNIT IN MELSECINE I/10 Mode.		
Communication	CC-Link communication unit (CC-Link (ID) Ver.1)	GT15-75J61BT13-Z*	GT15-J61BT13 (CC-Link communication unit)			
Š	Connection conversion adapter	GT10-9PT5S	-	The adapter is not required on GT2103 because Europe terminal blocks are used.		
	Ethernet communication unit	GT15-J71E71-100	Use the built-in Ethernet interface			
	Multimedia unit	GT16M-MMR	GT27-MMR-Z (multimedia unit)	A CF card is used with the unit.		
	Video input unit	GT16M-V4	GT27-V4-Z (video input unit)			
	video iriput uriit	GT15V-75V4	G127-V4-2 (video iriput driit)			
	RGB input unit	GT16M-R2	GT27-R2-Z (RGB input unit)			
Ë	Trab input unit	GT15V-75R1	G127-112-2 (HGB III)put utilit)			
Option	Video/RGB input unit	GT16M-V4R1	GT27-V4R1-Z (video/RGB input unit)			
o	Video/Nab iriput uriit	GT15V-75V4R1	G127-V4H1-2 (Video/HGB Iriput utilit)			
	RGB output unit	GT16M-ROUT	GT27-ROUT-Z (RGB output unit)			
	nab output unit	GT15V-75ROUT	d 127-n001-2 (nab output utili)			
	CF card unit	GT15-CFCD	-	A CF card cannot be used with the GOT2000 series.		
	CF card extension unit	GT15-CFEX-C08SET	-	Use an SD card with the built-in SD card slot.		

^{*} Discontinued product

Cables

<GT16, GT15>

• For the details of using the bus connection cables, RS-232 cables, RS-422 cables, or other cables for GT16 or GT15 with GT27 or GT25, please refer to the Technical Bulletin No. GOT-A-0061.

<GT10>

• The cables being used with GT1020 can be used as-is with GT2103 (serial type).

Project data

The project data of the GOT1000 series can be used as-is by converting the GOT Type using GT Designer3 Version 1.100E or later*.

*The supported version differs depending on the GOT2000 models.

■Compatibility with GOT900 series

For the details, please refer to the following Technical Bulletins.

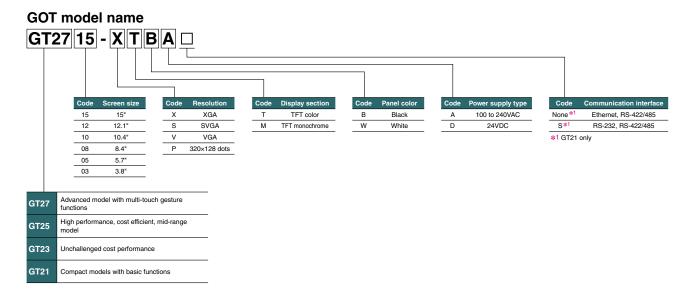
• Technical Bulletin "Precautions when Replacing GOT-A900 Series with GOT2000 Series" No.GOT-A-0062

■Compatibility with GOT800, A77GOT, or A64GOT series

For the details, please refer to the following Technical Bulletins.

• Technical Bulletin "Precautions when Replacing A800, A77GOT, A64GOT Series with GOT2000 Series" No.GOT-A-0063

For the Technical Bulletins, please contact your local sales office.



GOTs

Ca	tegory	Model name	Screen size	Display section	Display color	Panel color	Power supply	Remarks			
		GT2715-XTBA	.=				100 to 240VAC				
	GT2715	GT2715-XTBD	15" XGA			Black	24VDC				
		GT2712-STBA				Di. d	100 to 240VAC				
		GT2712-STBD				Black	24VDC				
	GT2712	GT2712-STWA	12.1" SVGA			14/1-7	100 to 240VAC				
		GT2712-STWD				White	24VDC				
		GT2710-STBA	40.411.0340.4				100 to 240VAC				
		GT2710-STBD	10.4" SVGA			Di. i	24VDC	Multimedia & Video/RGB			
GT27	GT2710	GT2710-VTBA				Black	100 to 240VAC	compliant Multi-touch compliant			
	G12/10	GT2710-VTBD	10.4" VGA				24VDC				
		GT2710-VTWA	10.4 VGA			White	100 to 240VAC				
		GT2710-VTWD				vvnite	24VDC				
		GT2708-STBA	8.4" SVGA				100 to 240VAC				
	GT2708	GT2708-STBD	8.4 SVGA	TFT color	65536 colors	Black	24VDC				
	G12/08	GT2708-VTBA	8.4" VGA			Black	100 to 240VAC				
		GT2708-VTBD	0.4 VGA				24VDC				
	GT2705	GT2705-VTBD Coming soon	5.7" VGA	5.7" VGA			24VDC	Multi-touch compliant			
	GT2512	GT2512-STBA NEW	12.1" SVGA			Black	100 to 240VAC				
	U12312	GT2512-STBD NEW	12.1 3VUA			Diack	24VDC				
		GT2510-VTBA				Black	100 to 240VAC				
	GT2510	GT2510-VTBD	10.4" VGA			BidCk	24VDC				
GT25	012310	GT2510-VTWA	10.4 VGA			White	100 to 240VAC	_			
0123		GT2510-VTWD				Wille	24VDC				
		GT2508-VTBA				Black	100 to 240VAC				
	GT2508	GT2508-VTBD	8.4" VGA			Diack	24VDC				
	012500	GT2508-VTWA	0.4 VGA	8.4 VGA			100 to 240VAC				
		GT2508-VTWD				White	24VDC				
	GT2310	GT2310-VTBA	10.4" VGA			Black	100 to 240VAC				
GT23	412010	GT2310-VTBD	10.4 VGA			Black	24VDC	_			
0125	GT2308	GT2308-VTBA	8.4" VGA			Black	100 to 240VAC				
	G12500	GT2308-VTBD	0.4 VUA			Diack	24VDC				
GT21	GT2103	GT2103-PMBD NEW	3.8"	TFT monochrome	Monochrome (black/white) 32 shade grayscale	Black	24VDC	Ethernet, RS-422/485			
GIZI	312103	T2103-PMBDS [320×128 dots] FI monochrome 5-color LED (white/green/pink/orange/red)		Diack	24VDC	RS-232, RS-422/485					

*For inquiries relating to the status of conforming to UL, cUL, and CE directives and shipping directives, please contact your local sales office.

Communication units

Product name	Model name	Specifications		Applicable model					
Product flame	woder name			GT25	GT23	GT21			
	GT15-RS2-9P	RS-232 serial communication unit (D-sub 9-pin male)	•	•	-	-			
	GT15-RS4-9S	RS-422/485 serial communication unit (D-sub 9-pin female) *1 *2	•	•	-	-			
Serial communication unit	GT15-RS4-TE	RS-422/485 serial communication unit (terminal block) * Usable only when connecting to temperature controllers/indicating controllers via RS-485 or in GOT multi-drop connection	•	•	_	_			
	GT15-QBUS	Q bus connection (1ch) unit standard model	•	•	-	_			
O bus connection unit	GT15-QBUS2	Q bus connection (2ch) unit standard model	•	•	-	-			
Q bus connection unit	GT15-75QBUSL	Q bus connection (1ch) unit slim model *3	•	•	-	-			
	GT15-75QBUS2L	Q bus connection (2ch) unit slim model *3	•	•	-	-			
MELSECNET/H communication unit	GT15-J71LP23-25	Normal station unit (optical loop)	•	•	-	-			
MELSECNET/A communication unit	GT15-J71BR13	Normal station unit (coaxial bus)	•	•	-	-			
CC-Link IE Controller Network communication unit	GT15-J71GP23-SX	Normal station unit (optical loop)	•	•	-	-			
CC-Link IE Field Network communication unit	GT15-J71GF13-T2	Intelligent device station unit	•	•	-	-			
CC-Link communication unit	GT15-J61BT13	Intelligent device station unit CC-Link Ver. 2 compliant	•	•	-	-			
Wireless LAN communication unit	GT25-WLAN NEW	IEEE802.11b/g/n compliant, built-in antenna, station (wireless LAN adapter), connection to personal computer Compliance with: Japan Radio Law *4, FCC *5, R&TTE *5	•	•	_	_			
Serial multi-drop connection unit	GT01-RS4-M	For GOT multi-drop connection	•	•	•	•			

- *1 The unit may not be able to be used depending on the connection destination. Please refer to the GOT2000 Series Connection Manual.
- *2 The unit cannot be used when connecting to temperature controllers/indicating controllers via RS-485 (2-wire type).
- *3 The unit cannot be used stacked on other units.
- *4 The product with hardware version A complies with the regulation. The product with hardware version A can be used only in Japan.
- *5 The product with hardware version B complies with the regulation. The product with hardware version B or later can be used in Japan, the United States, the EU member states, Switzerland, Norway, Iceland, and Liechtenstein.

Option units

Product name	Model name	Specifications		Applicable model					
Product name	woder name			GT25	GT23	GT21			
Printer unit	GT15-PRN	USB slave (PictBridge) for printer connection, 1ch Cable for connection between printer unit and printer (3m) included	•	•	-	-			
Multimedia unit	GT27-MMR-Z	For video input (NTSC/PAL) 1ch, Record video images/play video files	● *1	-	-	_			
Video input unit	GT27-V4-Z	For video input (NTSC/PAL) 4ch	→ *1	-	-	-			
RGB input unit	GT27-R2-Z	For analog RGB input 2ch	● *1	-	-	-			
Video/RGB input unit	GT27-V4R1-Z	For video input (NTSC/PAL) 4ch / analog RGB 1ch input	● *1	-	-	-			
RGB output unit	GT27-ROUT-Z	For analog RGB output 1ch	★1	-	-	-			
Sound output unit	GT15-SOUT	For sound output (\(\phi 3.5\) stereo pin jack)	•	•	-	-			
External I/O unit	GT15-DIOR	For external I/O devices and operation panel connection (negative common input / source type output)	•	•	-	-			
External I/O unit	GT15-DIO	For external I/O devices and operation panel connection (positive common input / sink type output)	•	•	-	-			
SD card unit	GT21-03SDCD NEW	For SD card mounting	-	-	-	•			

^{*1} Not supported by the 5.7-inch model.

Software

Product name	Model name		Contents			
	SW1DND-GTWK3-E		Standard license product			
HMI/GOT Screen Design Software MELSOFT GT Works3	SW1DND-GTWK3-EA	English Version	Volume license product *1	DVD-ROM		
WEEGGI I GT WORGD	SW1DND-GTWK3-EAZ		Additional license product *1 *6			
FA Integrated Engineering Software MELSOFT iQ Works *2 *3	SW2DND-IQWK-E NEW	English Version	Standard license product	DVD-ROM		
License key for GT SoftGOT2000 *4	GT27-SGTKEY-U	USB port licence ke	у			
Remote Personal Computer Operation Function (Ethernet) License *5	GT25-PCRAKEY	1 license				
VNC Server Function License *5	GT25-VNCSKEY	1 license (License for GOT remote access function)				
MES I/F Function License *5	GT25-MESIFKEY	1 license				

- *1 The desired number of licenses (2 or more) can be purchased. For details, please contact your local sales office.
- *2 Volume license product and additional license product are also available. For more details, please refer to the MELSOFT iQ Works catalog (L(NA)08232ENG).
- *3 The product includes the following software.

 System Management Software [MELSOFT Navigator]

 Motion Controller Engineering Software [MELSOFT MT Works2]

 Robot Engineering Software [MELSOFT RT ToolBox2 mini]

 Programmable Controller Engineering Software [MELSOFT GX Works2]

 Screen Design Software for Graphic Operation Terminal [MELSOFT GT Works3]

 Inverter Setup Software [FR Configurator2]
- *4 To use GT SoftGOT2000, a license key for GT SoftGOT2000 is necessary for each personal computer.
- *5 1 license is required for 1 GOT unit.
- *6 This product does not include the DVD-ROM. Only the license certificate with the product ID No. is issued.

Options

Product name	Model name		Specifications			Applicable model		
1. Foddot Haille					GT27	GT25	GT23	GT21
	GT27-15PSGC	For 15"			•	-	-	-
	GT25-12PSGC	For 12.1"	1* Surface treatment: anti-glare Sheet color: transparent			•	-	-
	GT25-10PSGC	For 10.4"		ental protection cover area: open	•	•	-	-
	GT25-08PSGC	For 8.4"	Number of sheets included in a set: 5		•	•	-	-
	GT25-05PSGC Coming so	on For 5.7"			•	-	-	-
	GT27-15PSCC	For 15"			•	-	-	-
	GT25-12PSCC	For 12.1*	Surface treatm Sheet color: tra		•	•	-	-
	GT25-10PSCC	For 10.4"		ansparent iental protection cover area: open	•	•	-	-
	GT25-08PSCC	For 8.4"		eets included in a set: 5	•	•	-	-
Protective sheet *1	GT25-05PSCC Coming so	on For 5.7"			•	-	-	-
	GT21-03PSGC-UC	V For 3.8"	Sheet color: tra	nent: anti-glare ansparent ental protection cover area: closed ^{#2} sets included in a set: 5	-	-	-	•
	GT25-12PSCC-UC	For 12.1*			•	•	-	-
	GT25-10PSCC-UC	For 10.4"	10.4" Surface treatment: clear			•	•	-
	GT25-08PSCC-UC	For 8.4"	Sheet color: tra		•	•	•	-
	GT25-05PSCC-UC Coming so			nental protection cover area: closed *2 sets included in a set: 5	•	-	-	-
	GT21-03PSCC-UC NE	_	1	· · · · · · · · · · · · · · · · · · ·		-	-	•
ISB environmental	GT25-UCOV		1.1"/10.4"/8.7"	Protective cover for USB interface on GOT front panel	•	•	-	-
rotection cover	GT25-05UCOV Coming so	_		(for replacement)	•	_	_	-
	GT20-15PCO	For 15"			•	_	_	_
	GT20-12PCO	For 12.1*	-		•	•	_	_
	GT20-10PCO	For 10.4"			•	•	•	
Protective cover for oil *3	GT20-08PCO	For 8.4"			•	•	•	_
···	GT25-05PCO Coming so					_	_	
	GT10-20PCO Conning SC	For 3.8"			_	_	_	•
	GT10-20PCO GT15-90STAND	For 15"			•	_	_	_
			For 12.1"				_	_
Stand	GT15-80STAND	_	For 10.4"/8.4"			•		
otanu	GT15-70STAND	For 10.4*/	FOT 10.478.4"			•	•	-
	GT15-50STAND For 5.		•		Coming soon	-	-	-
0.0	L1MEM-2GBSD	2GB SD m	2GB SD memory card for GOT 4GB SDHC memory card for GOT			•	•	•
SD card	L1MEM-4GBSD	4GB SDH				•	•	•
	GT05-MEM-128MC	128MB CF	card for GT27-N	card for GT27-MMR-Z		-	-	-
	GT05-MEM-256MC	256MB CF	card for GT27-N	MMR-Z	•	-	-	-
Memory	GT05-MEM-512MC	512MB CF	card for GT27-N	MMR-Z	•	-	-	-
ard	GT05-MEM-1GC	1GB CF c	ard for GT27-MM	IR-Z	•	-	-	-
CF card	GT05-MEM-2GC	2GB CF c	ard for GT27-MM	IR-Z	•	-	-	-
	GT05-MEM-4GC	4GB CF ci	ard for GT27-MM	IR-Z	•	-	-	-
	GT05-MEM-8GC	8GB CF ci	ard for GT27-MM	IR-Z	•	-	-	-
	GT05-MEM-16GC	16GB CF	card for GT27-MI	MR-Z	•	_	-	-
Memory card adapter	r GT05-MEM-ADPC	CF card→i	memory card (TY	PE II) conversion adapter for GT27-MMR-Z	•	_	-	-
,	GT15-70ATT-98			n from GT168, GT158, A985GOT *4	•	•	•	-
	GT15-70ATT-87	For 10.4"		n from A870GOT-SWS/TWS, A8GT-70GOT-TB/TW/SB/SW	•	•	•	_
	GT15-60ATT-97			n from GT167_, GT157_, A97_GOT	•	•	•	_
	GT15-60ATT-96	\dashv		n from A960GOT	•	•	•	_
	GT15-60ATT-87	For 8.4"		om A870GOT-EWS, A8GT-70GOT-EB/EW, A77GOT-EL, A77GOT-EL-S5/S3	•	•	•	_
ttachment	GT15-60ATT-77	\dashv		from A77GOT-CL, A77GOT-CL-S5/S3, A77GOT-L, A77GOT-L-S5/S3	•	•	•	_
						_	_	-
	GT15-50ATT-95W	For 5.7"		n from A956WGOT, F940WGOT	Coming soon	-	-	-
	GT15-50ATT-85		For conversion from A85 GOT			-	-	-
Battery	GT11-50BAT	Battery for	Battery for backup of SRAM data, clock data, and system status log data			(For replacement)	(Option)	-

^{*1} The white model does not have the front USB interface. It is recommended to use the products that the USB environmental protection cover area is closed.

^{*2} When using the product with the USB environmental protection cover area closed, the front USB interface cannot be used.

^{*3} Check if the protective cover for oil can be used in the actual environment before use. When using the cover, the front USB interface and human sensor cannot be used.

^{*4} Including the GP250 and GP260 manufactured by Digital Electronics Corporation.

- Graphic Operation Terminal GOTEO

Cables

	Product name	Model name	Cable length	Recommended product **	Specifications	GT27	GT25	GT23	
		GT15-QC06B GT15-QC12B	0.6m 1.2m						Т
	QCPU connection cable GOT-to-GOT	GT15-QC30B	3m	0	Between QCPU and GOT			_	_
	connection cable	GT15-QC50B	5m		Between GOT and GOT				
CPU bus		GT15-QC100B	10m						1
nnection able	QCPU connection cable	GT15-QC150BS	15m						
	GOT-to-GOT	GT15-QC200BS	20m	_	Between QCPU and GOT (for long-distance connection)				
	connection cable (for long distance	GT15-QC250BS	25m	0	A9GT-QCNB required Between GOT and GOT (for long-distance connection)	•	•	-	-
	connection)	GT15-QC300BS	30m		Delween GOT and GOT (for long-distance connection)				
uo ovton	sion connector box	GT15-QC350BS A9GT-QCNB	35m -		Attach to PLC main base when using QCPU and GOT long-distance connection	•			+
	re set for Q bus cable	GT15-QFC		_	Attach to GOT-A900 bus connection cable when replacing existing GOT-A900 with GOT2000 (two-pack)		•	_	+
cinic co	ic set for Q bus cubic	FA-LTBGT2R4CBL05	0.5m		RS-485 terminal block conversion unit		_		+-
S-485 te	erminal block conversion unit	FA-LTBGT2R4CBL10 FA-LTBGT2R4CBL20	1m 2m	0	With cable for connection between RS-422/485 (connector) of GOT2000 and RS-485 terminal block conversion unit	•	•	-	-
C 400 a	onversion cable	FA-CNV2402CBL	0.2m	0	Between QCPU/L02SCPU(-P) and RS-422 cable (GT01-C_R4-25P, GT10-C_R4-25P, GT21-C_R4-25P5) Between L6ADP-R2 and RS-422 cable (GT01-C_R4-25P, GT10-C_R4-25P, GT21-C_R4-25P5)				Τ.
3-422 U	universion cable	FA-CNV2405CBL	0.5m		[MINI-DIN6 pin and D-sub 25-pin]	_	_	_	"
		GT01-C30R4-25P	3m		Between QnA/ACPU/motion controller CPU (A series)/FXCPU and GOT				
		GT01-C100R4-25P	10m	_	Between RS-422 conversion cable (FA-CNV CBL) and GOT				1
		GT01-C200R4-25P	20m] –	Between serial communication module and GOT Between peripheral connection module (AJ65BT-G4-S3) and GOT	•	•	_	*3
		GT01-C300R4-25P	30m		[Between D-sub 25-pin and D-sub 9-pin]				
	QnA/A/FXCPU direct	GT10-C30R4-25P	3m		Between QnA/ACPU/motion controller CPU (A series)/FXCPU and GOT Between RS-422 conversion cable (FA-CNV CBL) and GOT				
	connection cable Computer link	GT10-C100R4-25P	10m	-	Between serial communication module and GOT	_	-	_	•
	connection cable	GT10-C200R4-25P	20m		Between peripheral connection module (AJ65BT-G4-S3) and GOT				1
	CC-Link(G4) connection cable	GT10-C300R4-25P	30m		[Between D-sub 25-pin and loose wire (connector terminal block 9-pin)]			<u> </u>	+
	Tambolion odbio	GT21-C30R4-25P5	3m	1	Between QnACPU and GOT Between RS-422 conversion cable (FA-CNV CBL) and GOT				
		GT21-C100R4-25P5	10m	_	Between serial communication module and GOT		_	_	
		GT21-C200R4-25P5	20m		Between peripheral connection module (AJ65BT-G4-S3) and GOT [Between D-sub 25-pin and loose wire (connector terminal block 5-pin)]				
		GT21-C300R4-25P5	30m		* GT2103-PMBD does not support direct connection to Q00JCPU, Q00CPU, or Q01CPU.				
		GT09-C30R4-6C	3m						
	Computer link	GT09-C100R4-6C	10m		Between serial communication module and GOT				1
	connection cable	GT09-C200R4-6C	20m	0	Between computer link module and GOT [Between loose wire and D-sub 9-pin]	•	•	•	*3 *
		GT09-C300R4-6C	30m		(
		GT01-C10R4-8P	1m						T
		GT01-C30R4-8P	3m]	Between FXCPU and GOT				١.
RS-422 cable		GT01-C100R4-8P	10m	_	Between FXCPU communication expansion board and GOT [Between MINI-DIN 8-pin and D-sub 9-pin]	•	•	•	*3
		GT01-C200R4-8P	20m		[between MiNi-DiN 8-pin and D-sub 9-pin]				
		GT01-C300R4-8P	30m						+
		GT10-C10R4-8P	1m						
		GT10-C30R4-8P	3m		Between FXCPU and GOT				•*
		GT10-C100R4-8P GT10-C200R4-8P	10m 20m	1	Between FXCPU communication expansion board and GOT [Between MINI-DIN 8-pin and loose wire (connector terminal block 9-pin)]	_	_	_	
		GT10-C200R4-8P	30m	-			i		
	FXCPU direct	GT21-C10R4-8P5	1m						_
	connection cable FXCPU communication	GT21-C30R4-8P5	3m	-	D. J FYORIL J. OOT		i		
	expansion board	GT21-C100R4-8P5	10m	1 _	Between FXCPU and GOT Between FXCPU communication expansion board and GOT	_	_	_	•
	connection cable	GT21-C200R4-8P5	20m	1	[Between MINI-DIN 8-pin and loose wire (connector terminal block 5-pin)]				-
		GT21-C300R4-8P5	30m	1					
		GT10-C10R4-8PL	1m	-	Between FXCPU and GOT Between FXCPU communication expansion board and GOT [Between MINI-DIN 8-pin and loose wire (connector terminal block 9-pin)]	_	_	_	•
		GT10-C10R4-8PC	1m		* Cannot be used for FX1NC, FX2NC, FX3UC-D/DSS, or FX3G.			<u> </u>	+
		GT10-C10R4-8PC	3m	1	Debugge EVORU and COT				
		GT10-C30N4-6FC	10m	_	Between FXCPU and GOT Between FXCPU communication expansion board and GOT	_	-	_	•
		GT10-C200R4-8PC	20m	1	[Between MINI-DIN 8-pin and loose wire (connector terminal block 9-pin)]				
		GT10-C300R4-8PC	30m	1					
	RS-422 connector conversion cable	GT10-C02H-9SC	0.2m	-	Between PLC and GOT [Convert D-sub 9-pin to loose wire (connector terminal block 9-pin)]	-	-	-	•
	Q/LCPU direct	GT01-C30R2-6P	3m	_	Between O/LCPU and GOT	•	•	•	•
	connection cable FXCPU communication expansion				Between L&ADP-R2 and GOT/personal computer (GT SoftGOT2000) [Between MINI-DIN 6-pin and D-sub 9-pin] Between FXCPU communication expansion board and GOT/personal computer (GT SoftGOT2000)	<u> </u>			*3
	FXCPU communication special adapter connection cable	GT01-C30R2-9S	3m	-	Between FXCPU communication special adapter and GOT/personal computer (GT SoftGOT2000) [Between D-sub 9-pin and D-sub 9-pin]	•	•	•	*3
	FXCPU communication special adapter connection cable	GT01-C30R2-25P	3m	-	Between FXCPU communication special adapter and GOT/personal computer (GT SoftGOT2000) [Between D-sub 25-pin connector and D-sub 9-pin]	•	•	•	*3
S-232 ible	Computer link connection cable CC-Link(G4) connection cable	GT09-C30R2-9P	3m	0	Between serial communication module and GOT Between computer link module and GOT Between peripheral connection module (AJ65BT-R2N) and GOT [Between D-sub 9-pin and D-sub 9-pin]	•	•	•	*3
	Computer link connection cable	GT09-C30R2-25P	3m	0	Between serial communication module and GOT Between computer link module and GOT [Between D-sub 25-pin and D-sub 9-pin]	•	•	•	*3
	RS-232 connector conversion cable	GT10-C02H-6PT9P	0.2m	_	Between PLC and GOT Between multiple connection GOT and GOT Between bacroode reader, RFID, serial printer and GOT [Convert D-sub 9-pin to MINI-DIN 6-pin]	_	_	_	•
	Data transfer cable	GT01-C30R2-6P	3m	-	Between GOT and personal computer * Can be used for the FA transparent function only. Cannot be used for the screen/OS data transfer. [Between MINI-DIN 6-pin and D-sub 9-pin]	-	_	-	•
ternal I	O unit connection	GT15-C03HTB	0.3m	0	Between external I/O unit (GT15-DIO) and GOT-A900 external I/O interface unit connection	•	•	_	Τ.
	n cable			0	cable (A8GT-C05TK, A8GT-C30TB, user-fabricated cable)	_	-	_	+
iaiog R	GB cable Data transfer cable	GT15-C50VG	5m		Between external monitor, personal computer and vision sensor and GOT Between personal computer (screen design software) and GOT Between personal computer (GT SoftGOT2000) and OnU/L/FXCPU	•	_	_	•
SB ible	Printer connection	GT09-C30USB-5P	3m	0	Between PictBridge-compatible printer and printer unit (GT15-PRN) [Between USB-A and USB Mini-B]	•	•	_	

^{*1} FA-LTBGT2R4CBL_, FA-CNV240_CBL are developed by Mitsubishi Electric Engineering Company Limited and sold through your local sales office. The other products listed are developed by Mitsubishi Electric Systems & Service Co., LTD. and sold through your local sales office. The other products listed are developed by Mitsubishi Electric Systems & Service Co., LTD. and sold through your local sales office. *2 This cable can be used for GT2103-PMBD only. *3 This cable can be used for GT2103-PMBD soly. *4 This cable can be used if connected with the RS-222 connector conversion cable GT10-C02H-9SC. *5 This cable can be used if connected with the RS-232 connector conversion cable GT10-C02H-6PT9P. *6 This cable cannot be used for printer connection.

Cables for non-Mitsubishi FA products RS-232 and RS-422 cables are available from every manufacturer. For more details, please see the GOT2000 Series Connection Manual.

Manuals

Manual name	Manual number
GOT2000 Series User's Manual (Hardware)	SH-081194ENG
GOT2000 Series User's Manual (Utility)	SH-081195ENG
GOT2000 Series User's Manual (Monitor)	SH-081196ENG
GOT2000 Series Connection Manual (Mitsubishi Products) for GT Works3 Version1	SH-081197ENG
GT Designer3 (GOT2000) Screen Design Manual	SH-081220ENG





Mitsubishi Graphic Operation Terminal GOT1000 Series

Tailored solutions to meet your HMI and visualization needs



CASE STUDY 1

Have you ever needed an HMI to do more than provide pretty panel meters? The GOT1000 does more than just visualization, it provides solutions for both the everyday, and not so everyday problem.

CASE STUDY 2

Solutions for your FA Device: Innovative solutions for improving uptime, work efficiency and productivity using the GOT1000 and your FA equipment.



The GOT1000 delivers the competitive advantage:

The speed of your business and the speed of your machine hinges on many forces outside of your control.

The GOT1000 brings them back under control with speed, performance and industry leading functions that are tailored for visualization - real life solutions for your real time process. Whether your focus is centered on uptime, productivity or serviceability there is a GOT solution that fits your machine, factory and enterprise level requirements.



GOTs evolve the face of control.



FA SO utions Obstacles are often encountered when using many different types of FA devices. The following problems can be resolved by linking with GOT1000.



Powerful functionality that is useful during startup and the tuning process!

Can the program be debugged without opening the cabinet?

FA transparent function

Connected with a personal computer, the GOT acts as a transparent gateway to enable programming, start up, and adjustment of equipment using GX Works2 or GX LogViewer. Users do not have to bother with opening the cabinet or changing cable connections. (On the GT10 series. the FA transparent function can be used via the interface on the rear side.)



Can the PLC programs be recovered after failure?

Backup/restoration function

Sequence programs and parameters can be backed up to the CF card or USB memory in the GOT. Users can then perform batch operation to restore the data to the PLC.



Can the PLC status or errors be checked quickly?

System monitor function

For details see P.46

PLC devices can be monitored and changed.

Intelligent module monitor function

Buffer memory values and I/O information can be monitored and changed.

Network monitor function

see **P.46**

Enable monitoring of network line conditions on a dedicated screen

Network module status display

Enable monitoring of LED status, error status, among others of network modules on a GOT.

MELSEC-L troubleshooting function

A dedicated maintenance screen for the L series is included. The CPU status and error information can be easily confirmed without a personal computer. If a problem occurs, you can jump to a function screen such as the ladder monitor to quickly take corrective actions



Ideal for PLCs in the field and on the plant floor!

Can PLC programs be monitored with the GOT?

Ladder monitor function and ladder editor function

For details see P.44 P.45

Sequence programs can be monitored in a circuit diagram (ladder

SFC monitor function

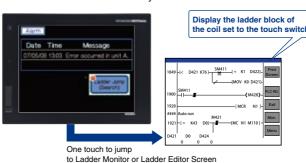
The Q series (Q mode) SFC programs (MELSAP3, MELSAP-L) can be monitored in a SFC diagram format.

Can the root cause be easily identified?

One-touch ladder jump function (Q/L/QnA series ladder monitor and ladder editor full

see P.44

By setting a program name and coil number of the PLC to a touch switch, the relevant ladder circuit block can be displayed directly. Troubles can be handled smoothly from the alarm screen



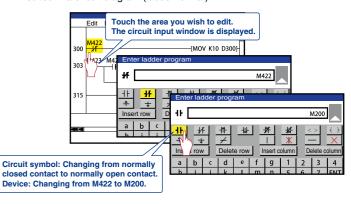
Can simple changes to

ladder programs be made without a personal computer?

Ladder editor function

For details, see P.45

Sequence programs of the Q series (Q mode) and the L series can be edited in a circuit diagram (ladder format).



Using the MELSEC-L series or high-speed data logger module!

Can collected logging data be checked at the worksite?

Log viewer function

Logging data collected using the L series or high-speed data logger module can be displayed on the GOT.

소소 國國 📰

Monitoring batch control!

Can Process and Batch monitoring be simplified?

Building a process control system using GOT1000

PX Developer creates GOT process control screens automatically

The automatically generated data can be used for both the GOT (worksite) and GT SoftGOT1000 (monitor room), and therefore monitor screens can be created efficiently



FA Solutions

Making drive control even easier.







RESERVO X GRAPHIC OPERATION TERMINAL TO COLOR

Powerful functionality that is useful during startup and the tuning process!

Can the program be debugged without opening the cabinet?

Connected with a personal computer, the GOT acts as a transparent gateway to enable programming, startup, and adjustment of equipment using MT Works2, GX Works2, GX Configurator-QP or MR Configurator2. Users do not have to bother with opening the cabinet or

FA transparent function changing cable connections.



Can devices in the motion controller be validated?

System monitor function

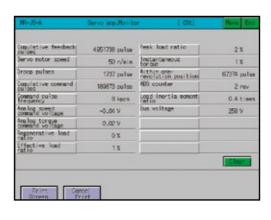
Motion controller devices can be monitored and changed.

For direct connection of servo amplifiers to GOTs!

Can errors or the status of servo amplifiers be validated?

Servo amplifier monitor function

In a system which outputs pulse train, the GOT can be connected to a servo amplifier in a serial connection to perform the following operations: monitoring, alarm display, diagnosis, parameter setting, and test operations.



Ideal for motion controllers in the field and on the plant floor!

Can the motion controller's servo parameters be changed easily?

Q series motion monitor function

The GOT enables easy monitoring of motion controllers (Q series), changing of servo parameters, and display of errors on the screen.

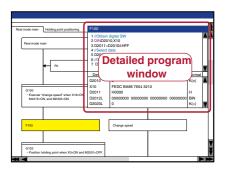
No Auto Sain Adjustment Manual Mode2 W Response Setting oad Inertia Ratio Position Ctrl.Gain1 speed Ctrl.Gain1 osition Ctrl.Gain2 Speed Ctrl.Gain2 speed Integral Comp. lotch Filter eed Forward Gain

Can motion SFC programs be checked on the GOT?

Motion SFC monitor function

For details, see P.45

Motion controller (Q series) SFC programs can be monitored in SFC diagram format. Viewing the batch program monitor or the active step list enables you to see the complete status at a glance.



Can motion profiles be recovered after controller failures?

Backup/restoration function

Motion controller (Q series) programs and parameters can be backed up onto a CF card or USB memory in the GOT. Users can perform batch operation to restore the data to the motion controller.

Embedded functionality for positioning modules!

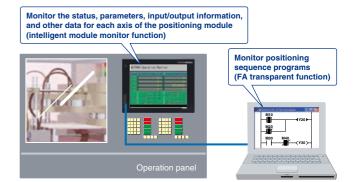
Can positioning status and errors be validated?

Intelligent module monitor function

Buffer memory values of modules such as the QD75MH and I/O information can be monitored and changed.

Other convenient uses!

When used in combination with the FA transparent function, the positioning module can be efficiently debugged. If an error occurs in the positioning module, the details of the error can be confirmed using just



GOTIODO

FA Solutions

Simplifying inverter control.





General-purpose Inverter



Ideal for inverter startups and operation!

Can connections to the inverter be simplified?



Directly connect inverters

Up to 31 inverters can be connected to a single GOT over a total distance of 500m.

FREQROL-F700P/F700PJ inverters can automatically configure the communication parameters for GOT connection, making connections easy.



Can the program be debugged without opening the cabinet?

FA transparent function



Connected with a personal computer, the GOT acts as a transparent gateway to enable startup and adjustment of equipment using FR Configurator. Users do not have to bother with opening the cabinet or changing cable connections.



Ideal for inverter operation!

Can the inverter status be monitored on the GOT?

Example of GT16 operation screen



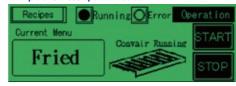
Easy-to-understand display

Operation commands and parameters can be set from a GOT. On the GT1020/GT1030, three different backlight colors can be switched between screens, making it easy for operators to read and operate the screens

Example of GT1020 parameter screen



Example of GT1030 operation screen



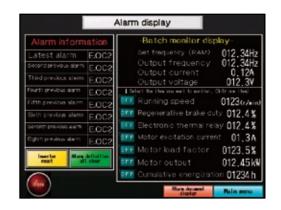
Can inverter parameters be changed easily?

Sample screen data for specifying parameters is available.

Ready-to-use sample screens



Pa	ramete	er settings	
O Torque boost	0123.5%	St. Acoderation Moderation reference Proposity	11214516
1 Maximum frequency	012,4514	21 Acceleration/deceleration	112345
2 Minimum frequency	012,4516	22 Stall priversion co-materitives	0120.53
3 Base frequency	012,45Hz	23 Trail provider equivalent broad computations facility of	0123.5%
4 Multi-speed sieting (high speed)	012.45Hz	24 Multi-spood sotting (spood 4)	012,45%
5 Multispeed setting (middle speed)	012.45(6)	25 Multi-speed setting (speed 5)	012.45H
6 NAME opposed a official placed in	012 45Hz	26 Multi-speed setting (speed 6)	012.45H
7 Acceleration time	0123.56	27 Multi-speed setting (speed 7)	12,450
8 Deceleration time	0123,55	41 Up-to-frequency sensitivity	0123.5%
9 Electronic thermal OvL relay	012.45.A	of Colgal Frequency details for revenue ratalism	012.45H
1000 kine löx brake operation frequency	012,45Hz	54 Piviterminal function selection	112345
11 DC nyelden briske operation time	0123.58	60 Energy saving control alterest	12345
12 DC syector trave roerstor voltage	0123.5%	75 Preset sero clary decrease attachy, detaction	112945
13 Starting frequency	012.4516	I'd Roverse rotation prevention selection	112345
14 Load pattern selection	012345	51 Number of motor poles	012345
15 Jos frequency	012,45He	158 AM terminal function selection	012345
16 Jog accoloration deceleration time	0123.53	(60) Energy sawing control adjection	112345



GOTIOO

FA Solutions



Powerful functions for robotic systems!

Can the teaching box and the personal computer used for setup be consolidated into a single unit?

Immediately check the robot status!

- Operation and maintenance on the GO
- Robot operation screen
- Robot current position monitor screen
- Load rate/current value display screen
- Maintenance forecast screen



Consolidated panel operations



Servo motor (load rate/current value, etc.)

Consolidate and centralize robot monitoring and

control functions on production floor using the GOT

Even if a teaching box is not available, the GOT can be used to operate the robot and easily check the current position data and error details.

Consolidating panel operations into the GOT improves operation and

Error information/Variable information/Program information

Maintenance information (battery/grease remaining time, etc.)

Robot information (current speed/attainment rate, etc.)

Robot controller

maintenance work efficiency.

Robot internal information (data)



& engineering software

Ideal for robot programming! -

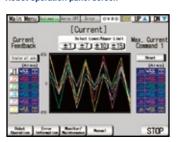
Can the robot program be easily accessed?

Ready-to-use sample screens

Sample screen data is available for robot operation, current position monitoring, and other purposes. There is no need to create robot programs from scratch.



Robot operation panel screen



Robot load rate/current value monitor screen



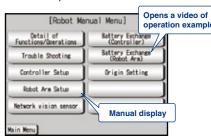
Robot jog/hand operation screen



Robot maintenance forecast screen



Robot current position monitor screen



Robot manual menu scree

Can the program be debugged without opening the cabinet?

FA transparent function

Connected with a personal computer, the GOT acts as a transparent gateway to enable start up and adjustment of equipment using RT ToolBox2. Users do not have to bother with opening the cabinet or changing cable connections.



For details

Can devices in the robot controller be validated?

System monitor function

For details, see P.46

Embedded monitoring utilities are available enabling users to view and change device values.

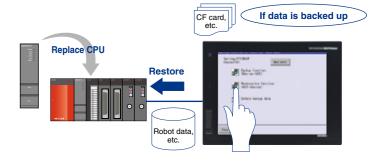
In the event of trouble!

Can robot profiles be recovered after controller failures?

Backup/restoration function

For details, see P.42

Robot controller data can be backed up to the CF card or USB memory in the GOT. Users can perform batch operation to restore the data to the robot controller.



FA Solutions











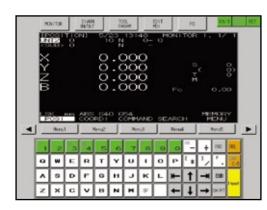


Powerful function for CNC startup, machining and changeover!

Can CNC parameters be changed easily?

CNC monitor function

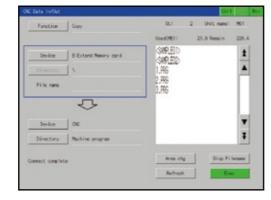
The CNC C70 and MELDAS C6/C64 can be monitored and the parameters can be changed.



Can errors or the status of the CNC be validated quickly?

CNC data I/O function

Data, such as machining programs and parameters, can be copied from a GOT CF card or USB memory to the CNC C70 and vice versa. Data can be deleted as well.



Can CNC devices be easily validated?

System monitor function

Embedded monitoring utilities are available enabling users to view and change CNC C70 and MELDAS C6/64 device values.

Can the program be debugged without opening the panel?

FA transparent function

For details see P.39

Connected with a personal computer, the GOT acts as a transparent gateway to enable start up and adjustment of equipment using NC Configurator, etc. Users do not have to bother with opening the cabinet or changing cable



Ideal for CNC programming!

Can CNC programs be validated directly from the GOT?

Ladder monitor function

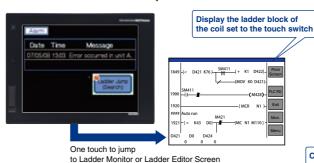
For details, see P.44

CNC C70 and MELDAS C6/C64 sequence programs can be monitored in a circuit diagram (ladder format).

Can the root cause be easily identified?

One-touch ladder jump function

By setting a program name and coil number of the CNC C70 to a touch switch, the relevant ladder circuit block can be displayed directly. Problems can be handled smoothly from the alarm screen.

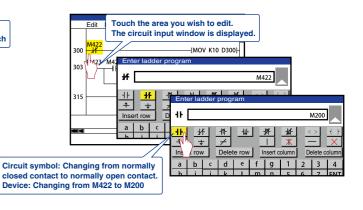


Can programs be changed easily without a personal computer?

Ladder editor function

For details see P.45

Sequence programs of the CNC C70 can be edited in a circuit diagram

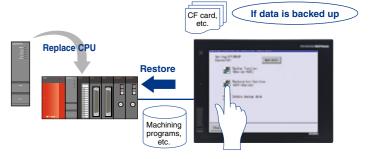


In the event of trouble!

Can the CNC programs be recovered after failure?

Backup/restoration function

CNC C70 data such as machining programs and parameters can be backed up to the CF card or USB memory in the GOT. Users can perform batch operation to restore the data to the CNC C70.



GOT O

FA Solutions

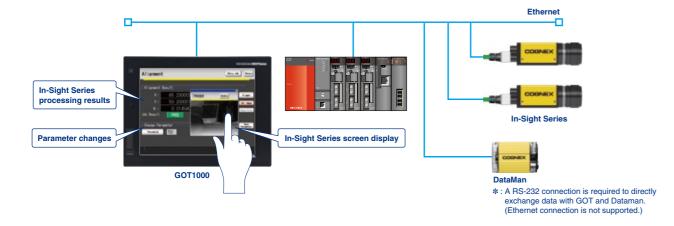


Powerful functions for vision systems!

Can automation and vision (systems be consolidated into a single platform?

Displaying the In-Sight Series processing results on the GOT

By connecting a GOT to the In-Sight Series and PLC over Ethernet, the In-Sight Series processing results can be displayed and parameters can be changed on the GOT. The GT16 model has a built-in Ethernet port, allowing the system to be built easily.



Can other COGNEX products be connected?

Connect to various COGNEX products

The In-Sight vision system and DataMan barcode reader can be connected to the GOT.

Ideal for configuration! —

Can vision parameters be (changed from the GOT?

Ready-to-use sample screens

Sample screen data is available for checking the results of positioning, inspection, and reading characters.

[Alignment screen]

The workpiece position and posture detected with In-Sight Series as well as the success or failure state of the detection are displayed. The workpiece detection threshold can be changed from this screen.



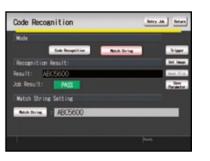
[Inspection screen]

The results of workpiece inspections carried out with the In-Sight Series are displayed. The workpiece detection threshold can be changed.



[Code recognition screen]

The results of reading ID codes with the In-Sight Series are displayed. The reading mode (read/verify or change character string during verification) can be selected.

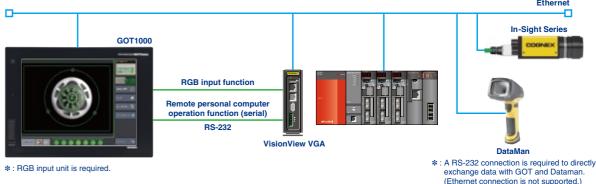


Ideal for monitoring operations!

Can vision applications be handled easily at the worksite?

Displaying In-Sight Series vision applications on the GOT

Connect the COGNEX VisionView VGA with the GOT to display the In-Sight Series Vision Application screen. While monitoring connected devices such as PLCs, it is possible to switch to the Vision Application screen when necessary to display live images, specify parameters with touch operations, and perform other operations.



(Ethernet connection is not supported.)



6.5" type Handy

VGA Handy GOT/TFT

ution: 640 x 480 Display colors: 65.536 colors

GT1665HS-VTBD DC type

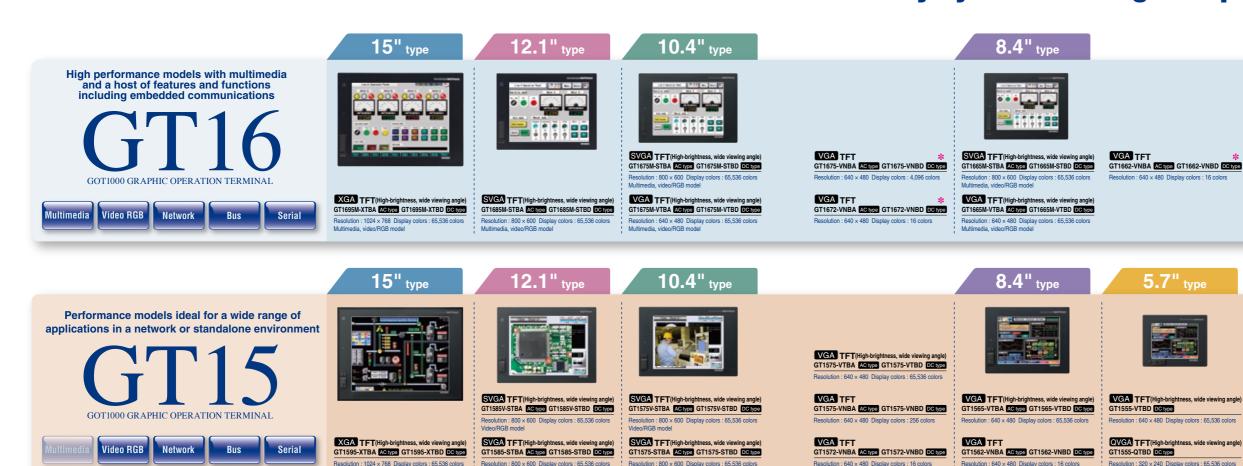
VGA TFT(High-brightness, wide viewing angle)

GT1655-VTBD DC type

QVGA STN GT1155-QSBD DC type GT1155-QSBDQ DC type Q bus connection GT1155-QSBDA DC type A bus connection

The GOT1000 series offers five classes of terminals

to fit any system or budget requirement.



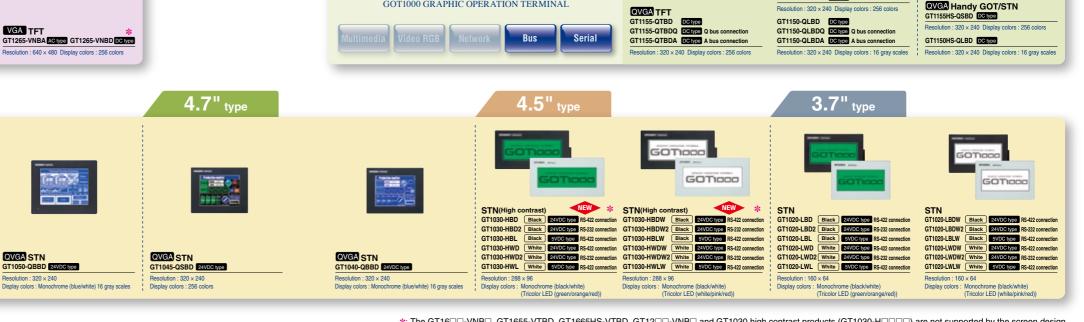




QVGA STN

GT1055-QSBD 24VDC type

GT1050-QBBD 24VDC type



Small models with a host of advanced functions

Compact models with basic functions



The lineup that fits in with any production line. Find your GOT with the right functions, size, and features.

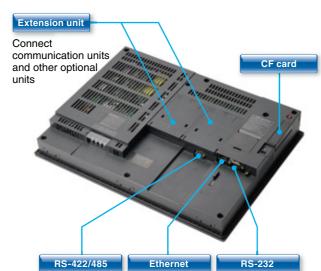
High performance models with multimedia and a host of features and functions including embedded communications

Options

See page 24 for GT16 Handy.

- User memory capacity: 15MB (GT16□□-VNB□ : 11MB)
- USB host and USB device ports are included.
- Ethernet, RS-422/485, and RS-232 interfaces are supported as standard interfaces.
- A multimedia unit and a video/RGB unit are supported.*
- Featuring an analog touch panel
- ***** : Excluding GT16□□-VNB□,

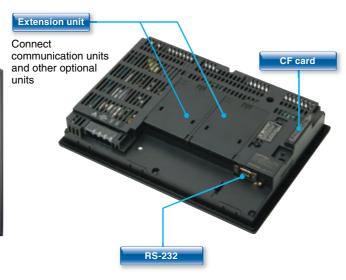




Performance models ideal for a wide range of applications in a network or standalone environment

- User memory capacity: 9MB (GT15□□-VNB□: 5MB)
- USB device port is included.
- The RS-232 interface is supported as a standard interface.





- User memory capacity: 6MB
- USB device port is included.
- Ethernet, RS-422/485, and RS-232 interfaces are supported as standard interfaces.
- Featuring an analog touch panel

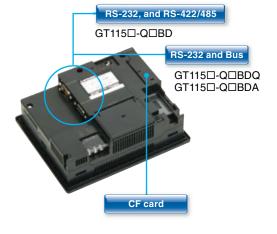
Large basic models with integrated features and communication interfaces



- User memory capacity: 3MB
- USB device port is included.
- The RS-232 interface is supported as a standard interface.
- Choose between two standard interface models for network connection: the RS-422/485 interface model or the bus interface model.
- * See page 25 for GT11 Handy.

Small models with a host of advanced functions





*: For details about the functions of GT10 models. see "GT10 (pages 48, 49)"

GT1050/GT1040

- User memory capacity: 3MB
- USB device port is included.
- RS-422/485 and RS-232 interfaces are supported as standard interfaces.

GT1030/GT1020

Compact models with basic functions

- User memory capacity: 1.5MB (GT1030)/ 512KB (GT1020)
- Three-color LED backlight indicates the equipment status at a glance.
- The RS-422/485* interface or the RS-232 interface is supported as a standard interface.
- *: Only the RS-422 interface for the 5VDC type









Rich functionality and high performance in the palm

GT16 Handy GOT

65,536 vivid colors on a big VGA screen

The light body includes the latest GT16 functions

Extremely easy handling and operation in one hand

Standard Ethernet interface enables long-distance communication

- User memory capacity: 15MB
- USB host and USB device ports are included.
- Ethernet, RS-422/485, and RS-232 interfaces are supported as standard interfaces.
- The latest GT16 functions are available, including various types of monitoring and ladder editing functions.





of your hand

Ergonomic design allows you to change the angle of the handle.

Various types of switches are available

- Operation switches with LEDs (6)
- Emergency stop switch
- Selector switch with key
- Three-position deadman switch

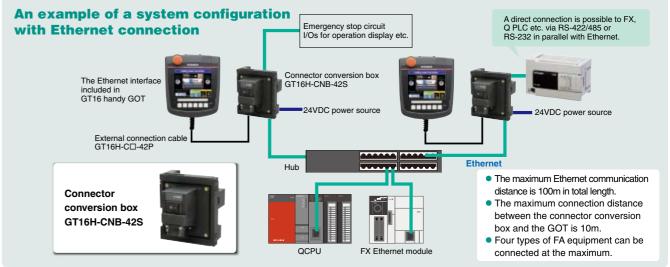


Various types of external connection interfaces are available as standard interfaces

- USB host and USB device
- CF card interface
- RS-422/485 and RS-232 interfaces (switchable)
- Ethernet interface

Options

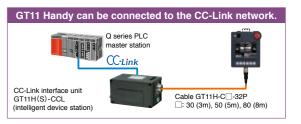
Emergency stop External connection cable

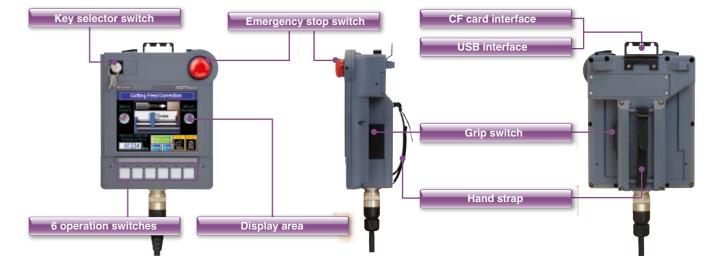


GT11 Handy GOT

Portable 5.7" operation terminal

GT1155HS-QSBD GT1150HS-QLBD







Use a personal computer or panel computer as a GOT.

HMI software for the GOT1000 series



GT SoftGOT1000 GT SoftGOT1000 is the HMI software that provides GOT functions on personal computers

and panel computers.

This software connects with various types of equipment such as Mitsubishi PLCs and let you see screens just like the GOT1000 series.

You can also reuse GOT's project data without modification.

Along with all the advantages of a GOT, you can also enjoy the convenience and flexibility of personal computers and panel computers.



GT SoftGOT1000 Version3 is software included with the GT Works3 suite. A separate license key is required for use

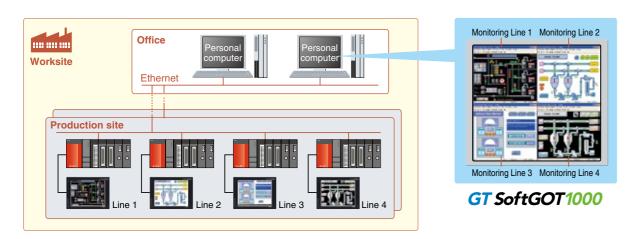
Monitor the production site from a remote location

Reduce downtime

Use GT SoftGOT1000 to monitor the production site from your office. You can collect information quickly when a problem occurs, taking necessary actions immediately.

Use GOT project data from the production site

You can reuse project data of the GOT at your production site as the project data of GT SoftGOT1000 to reduce the design cost.



Connect with MELSEC process control for process control applications

You can connect GT SoftGOT1000 to the monitor tools of the Engineering Environment PX Developer for design and maintenance work for process control. In this way, a process control monitoring system can easily be constructed.

PX Developer window screens and other tools

Tools for monitoring, operating, and tuning loop control tags. (The display position can be specified.)

GT SoftGOT1000 touch switch/object

Clicking on touch switches and objects displays various screens of PX Developer monitoring tools. (The display position can be specified.)

Security collaboration **NEW**



PX Developer monitoring tool bar

Clicking on buttons executes various operations such as starting up GT SoftGOT1000 and switching base screens.

GT SoftGOT1000 base screen

Make your desktop into a graphic monitoring window by displaying the GT SoftGOT1000 base screen in full-screen mode and sending the window to the back of the screen.

The GT SoftGOT1000 security level is changed accordingly when the PX Developer monitor tool's mode is changed (engineer mode/operate mode/lock mode). Authority can be set for operations requiring security.

Link with other applications to construct a high-performance system

You can use a user-created application to read and write information to and from internal devices of GT SoftGOT1000. By linking data with user applications such as a data logger, you can construct a high-performance system package. You can also use a touch switch on the GT SoftGOT1000 monitor to launch another application.

<Development environment of user applications>

- Microsoft[®]Visual C++[®]/Visual C#[®] NEW /Visual Basic[®] included with Microsoft®Visual Studio 6.0/.NET (2002) NEW /.NET 2003/2005 NEW /2008 NEW Embarcadero®C++Builder®XE NEW
- values or ASCII characters. NEW

Connect to various devices

The GT SoftGOT1000 can be connected to the Mitsubishi PLC, other PLC brands, MODBUS®/TCP slave devices. NEW

*: See "List of connectable models" (page 69), for more details on supported models of

Connect to RFID or barcode reader and input numerical

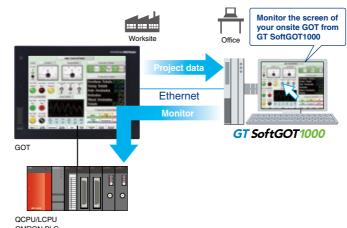
Monitor the screen of your onsite GOT from

The SoftGOT-GOT link function enhances the linkage to your onsite GOT

Connect GT SoftGOT1000 with GOT by an Ethernet connection. Use the GOT's project data with GT SoftGOT1000 to monitor connected equipment.*

*: Only CH1 can be monitored when GOT is connected via multi-channels GOT and QCPU/LCPU can be connected by a bus connection, direct CPU connection, computer link connection, or Ethernet connection. GOT and OMRON PLC can be connected via Ethernet connection.

GT SoftGOT1000



GT SoftGOT1000 Commander

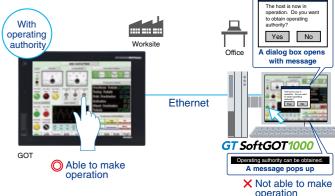
By using the GT SoftGOT1000 Commander, multiple GT SoftGOT1000 modules using the SoftGOT-GOT link function can be efficiently managed, and the SoftGOT-GOT link function can be utilized easily.

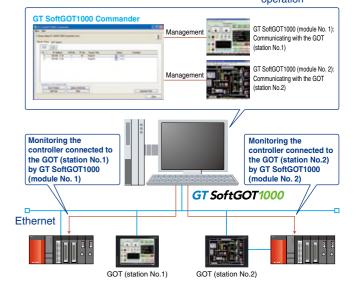
<Actions possible with GT SoftGOT1000 Commander>

- Search for GOT on the Ethernet network and start with
- GT SoftGOT1000 (GT16 only)
- Start/stop GT SoftGOT1000
- Check and switch GT SoftGOT1000 monitor status (online/offline)
- Designate GT SoftGOT1000 module No. displayed on top screen

Prevent simultaneous operations from GT SoftGOT1000 and GOT

Operation of an input object (e.g. touch switch, numerical input) is allowed by either GT SoftGOT1000 or the GOT, whichever has operating authority. If one terminal does not have operating authority, the status of the operating authority can be displayed in a pop-up window. Whether it is possible to acquire operating authority from the other terminal can be notified with a dialog. It is also possible to specify the time to ensure the operating authority on the operation side after final operations.





See "List of connectable models" (page 69), "Function list" (page 70), and "Notes for use (Operating environment)" (page 85).





More intuitive. No more wasted time. The screen

design software optimized for usability.



Enhanced
"easy-to-use"
functions for
efficient
screen design!

Work tree

View the whole project, create a new screen, and add and delete screens with ease.

Property sheet

A selected object or graphic's settings are displayed as a tree view. Set colors, devices, etc., on the property sheet without opening a dialog box. When selecting multiple objects or graphics, change color, character size, etc., all at the same time.

Temporary area

Reduce workspace clutter by moving objects off of the display area.

- EX Project Edit Search/Replace View Screen Com on Figure Object Tools Communication Window w Help · · · ON OFF · III III III # X B-1 (Front+Back) X B-2 (Front+Back) X C Environmental SI Se : Library Project 4 × -Project System Screen Project Information - Red - ON OFF 100% -AA BE BOO 123 -Hot Water Supply Control ase -Library Basic Comment Import Recent Library New Comment Group Alarm Loceine My Favorites **3** My Library Recipe 1 System Library Search By Script ₾. Device Data Transfer Status Observation T-Triceer Action Herd Copy MES Interface T Parts Text* Extended / Operation/Script eandeaedme A Parts Image List N Data Type: Signed BIN16 Ni Number of States: 3 ■ 🗐) Sound Files M 0 R Range Text 🌞 🗶 🛊 🕸 Project System Screen Property 0 Word Lamp 리 Shape Real Lamp Figure: 05_0_GR Shape... . Common Information Device/Style Use Image Transparent Word Lamp Type Gray Data Type Signed BIN16 d ALL 3 4 Use Image Transpa No. 8 -Real Lamp Figure ₩. Range: Type To Test Tab>> Range Setting 0 (\$V (100) Lamp Color Convert to Switch. OK Cancel + State 2

GT16**-V (840x480) 65536 Colorexe CH 1 : MELSEC-QnU/DC, Q17nD/M/NC/DR, CRnD-700 1 160,176 X201,Y207

-

Simulator

Preview operation without connecting to a GOT.

Communication with the GOT

Communication settings and drivers are automatically selected and downloaded to the GOT with the project data.

Tool bar

Vividly colored icons make distinguishing active functions from inactive ones easy.

Library

Parts are easy to select. High resolution graphics and parts are easy create and incorporate into projects.

Dialog box

User-friendly dialog boxes and object settings.

Editor <screen design area>

Many convenient and efficient development functions are included!

New functions improve your screen design efficiency than ever before!

- "Templates" reduce time for screen design
- "Screen Preview" enables simple simulation
- "Device Name Display" helps you check setting contents quickly

The Help function is available for quick reference!

MELSOFT iQ Works improves design efficiency

Batch parameter check and system labels of MELSOFT Navigator are supported.

Related tools

[WORD LAMP] is selected

GT Works3 comes with various tools such as the Data Transfer Tool and GT Converter2.

The GOT1000 series provides a variety of functions to satisfy user requirements

Usability depends on who the users are and where they carry out their tasks.

Designers want to use the most advanced HMI technology, while maintenance engineers want the most dependable HMI for their facilities.

To satisfy all of our customers, we are constantly developing more and more functions for the GOT1000 series.

INDEX

For Designers P32

For Initial Startup & Adjustment Operators

For Maintenance Personnel P40

GT10 P48

iQ Platform P50

MELSEC Process Control P51

Specifications P52

External Dimensions P61

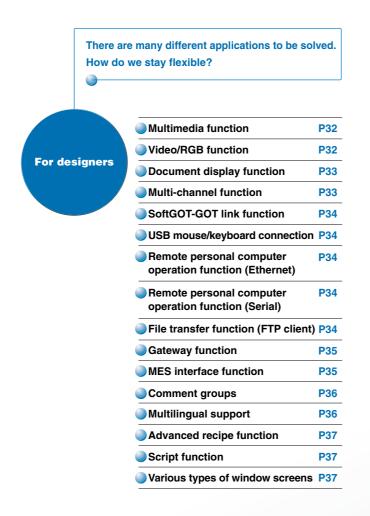
List of Connectable Models P65

Function List P70

Product List P74

Notes for Use P81

Warranty P87



Efficiency requires both fast data transfer as well as user-friendly functions.

Drawing, computing, communication; a trio of high-speed response functions

Backlight brightness adjustment P38

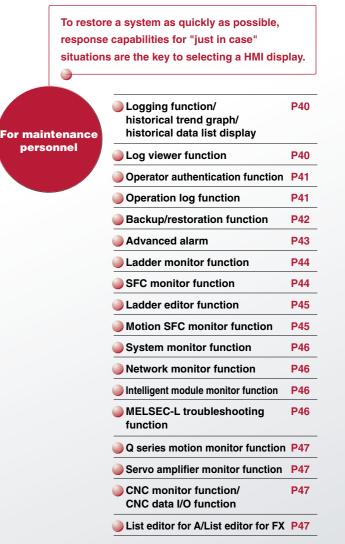
Color-coded front face LED P38

Maintenance time notification P38 function

Equipped with front USB interface P39

FA transparent function

P39





The functions bearing these marks are available on the GT16, GT15, or GT12 model. All other functions are supported by GT16, GT15, GT12, and GT11 models.



Multimedia function

Recording audio and video, displaying input images

Clear view before and after the trouble occurrence <Recording pre/post event motion images>

• Capable of recording motion images for 120 seconds before and after an error occurrence (when the event trigger device turned on), up to 240 seconds in total.



High resolution recorded image (standard mode)

- Smooth, high resolution video can be recorded.
- Video size and frame rate
- Maximum 15 fps in VGA (640 × 480)
- Maximum 30 fps in QVGA (320 × 240)

Playing back motion image files

Check the motion image before and after the occurrence of a problem, and diagnose the cause immediately.

- The motion image recorded on site is saved in the CF card of the GOT's multimedia unit and can be played back immediately after being recorded.
- The motion image files saved in the CF card can be sent to your personal computer over the Ethernet interface of the GOT's multimedia unit. You can then view the motion image on your personal computer.
- Fast forward and slow motion playback functions are also available.

Use as a video guidebook for work tasks

- •The GOT plays back motion image files that are created by your personal computer. Since the GOT is compatible with standard formats, commercially available software can be used to create motion image files.
- <Applicable software programs> Quick Time 7 Pro
- <Compatible file formats>
- 3GP and MP4

High-quality images with 65,536 colors provide precise detail



32

16 15 Video/RGB function

Enhanced compatibility with cameras and inspection devices <Video input>

Input images from up to four video cameras and inspection devices are simultaneously and cleanly displayed in four windows in 65,536 colors. Images can be saved in JPEG format.



For additional recording time (extended mode)

- Over two days of video can be recorded.
- Video size QVGA (320 x 240); frame rate 15 fps

Displaying input images

In addition to the dedicated screen, images input from a video camera can be displayed on a user-created screen. Normally, input images are displayed on the user-created screen, and the dedicated multi-media screen is opened only when an error occurs or when playing back recorded images for confirmation. NEW

Play back motion images recorded by the GOT on a personal computer!

The dedicated multimedia screen is available for recording and playback. Reduce your screen design time!

- *: Not supported by GT16□□-VNB□, GT1655, GT16 Handy
- * The multimedia data link tool and multimedia data link FTP services are necessary to transmit motion image files to a personal computer.
- : Only one of the following devices can be used at one time: multimedia unit, video input unit, RGB input unit, video/RGB input unit or RGB input unit

The multimedia data link tool and multimedia data link FTP service are timedia-dedicated software programs included with GT Works3.

An optional device may be necessary.
For details, see "Selection of optional units and devices" (page 81).

Displays PC images on the GOT <RGB input>

- Images on a personal computer display screen appear on the GOT simultaneously with the GOT's screen. RGB input of up to 2 channels is available when using the GT16M-R2.
- The display size can be changed, and the clip display is available. NEW

Display the GOT screen on a display <RGB output>

- Connect to a commercial display so that the GOT screen can be displayed larger.
- * Not supported by GT16 \(\sigma\). VNB\(\sigma\) GT1655_GT16_Handy
- *: Only one of the following devices can be used on the GT16 at one time; video input unit. RGB input unit, video/RGB input unit, RGB output unit, or multimedia unit.
- *: Only the GT1585V and GT1575V for the GT15 series. Only one of the following devices can be used at one time; video input unit, RGB input unit, video/RGB input unit, or RGB output unit.

An optional device may be necessary. For details, see "Selection of optional units and devices" (page 81).

Display various documents on the GOT at the

ет ет 16 15

Document display function

 When a system error occurs, referring to recovery methods in check lists and/or manuals on the GOT can reduce downtime.

- Pages can be changed, scrolled through, enlarged or reduced, and multi-page documents can be displayed.
- The document converter that comes with GT Works3 is used to format documents to be displayed and save them to CF
- Supported file formats : doc, xls, ppt, pdf, jpg, bmp



Display of documents and manuals on the GOT can reduce downtime.

An optional device may be necessary. For details, see "Selection of optional units and devices" (page 81).

Central storage of FA device information on a single GOT terminal



16 15 12 Multi-channel function

- Up to four FA device (PLC, servo, inverter, temperature controller, etc.) channels can be monitored with one GOT unit. (GT12 monitors up to two channels.)
- Easy device transfer between connected devices. Use GT Works3 to specify triggers for source and destination devices for device transfer. (Device data transfer function)

from more manufactures will be supported in the future. Sample screen data for connecting to temperature

The GOT1000 Series connects with PLCs,

controllers, servo amplifiers, or inverters is available to make it easy to create your own screen data.

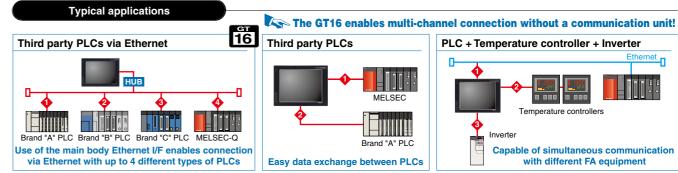
microcomputers, and other various devices. More models

• The QnA compatible 3E frame is now supported with the microcomputer connection (Ethernet).

See "List of connectable models" (page 65), for more details on supported models of

For various types of peripherals.

- General-purpose MODBUS® devices External devices (operation panels, switches, lamps, etc.)
- Two-dimensional code readers, barcode readers RFID readers, IC card readers Speakers Video cameras
- Displays (RGB output) PCs (RGB input) Serial printers PictBridge printers Vision sensors*
- *: For details, see CASE STUDY 2 FA Solutions (page 18).



- *: For the Ethernet connection with GT1695 and GT1685 of function version A, if connected to equipment compatible with 10BASE-T, use a switching hub for its operation in a network
- *: The number of channels and functions, which can be used with the multi-channel function vary depending on the connection configuration. For more details, see "Notes for use" (page 81).

An optional device may be necessary. For details, see "Selection of optional units and devices" (page 81)



- Connect GT SoftGOT1000 with the GOT with an Ethernet connection. Use the GOT's project data with GT SoftGOT1000 to monitor connected equipment.*
- Operation of an input object (e.g. touch switch, numerical input) is allowed by either the GT SoftGOT1000 or GOT, depending on which has operating authority.
- By using the GT SoftGOT1000 Commander, multiple GT SoftGOT1000 modules using the SoftGOT-GOT link function can be efficiently managed, and the SoftGOT-GOT link function can be utilized easily
- *: Only CH1 can be monitored when GOT is connected via multi-channels. GOT and QCPU/LCPU can be connected by a bus connection, direct CPU connect computer link connection, or Ethernet connection. GOT and OMRON PLC can be

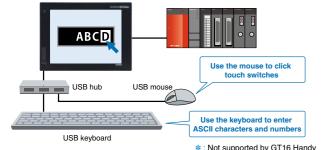
See "GT SoftGOT1000" (page 27), for more details.

Connect your mouse/keyboard to the front USB interface



USB mouse/keyboard connection

• In a user-created screen, you can use your mouse to click touch switches and your keyboard to enter ASCII characters and numbers.



This is convenient when you need to operate small switches or enter many characters.

Operate a personal computer from the GOT touch screen



Remote personal computer Remote personal computer operation function (Serial)

• When using RGB input, operate a personal computer screen displayed on the GOT by touch operation (e.g. store information such as touched coordinates in GOT internal devices, transmit the data to a personal computer).



Windows® 2000 Professional SP4 *: Not supported by GT16 - VNB , GT1655, GT16 Handy

*: Supported only on the GT1585V and GT1575V models in the GT15 series

An optional device may be necessary. For details, see "Selection of optional units and devices" (page 81).

Monitor the screen of your onsite GOT from GT SoftGOT1000

Operate a remote PC from an onsite GOT

QCPU/LCPL





 A personal computer at a remote location can be operated from an onsite GOT when they are connected via Ethernet.

A USB mouse/keyboard can be connected to the front USB

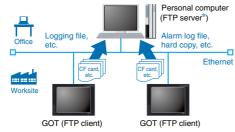


*: Not supported by GT16□□-VNB□, GT16 Handy *: The license key (GT16-PCRAKEY) is necessary.

Send files from GOT to personal computer



• With a few simple settings, files (alarm log files, hard copies, etc.) of resource data stored in the GOT's CF card and USB memory* can be sent from the GOT to a personal computer.



- *: USB memory is supported only with GT16.
- : The Microsoft IIS (Internet Information Service) FTP server is supported.

Convenient for using GOT resource data on a personal computer.

Be alerted about worksite errors and collect device data from the office

16 15 12 Gateway function



The gateway function remotely monitors the worksite and supports remote maintenance from the office.

1 Collect data on a personal computer (server function)

- A GOT (server) can be monitored from the host personal computer (MX Component) to perform indirect reading/writing of connected devices being monitored by the GOT.
- Even when third party devices are connected, MX Component can read and write the devices through the GOT using the server function.
- *: The collected data can be displayed and analyzed by Excel without using any programs other than MX Sheet. Programming with Visual C++ and Visual Basic enables applications to be flexibly designed and built. See the MELSOFT catalog (L (NA) 08008) for more details.

2 Monitor other GOTs from a GOT (client function)

- A GOT (client) indirectly reads/writes device values of equipment monitored by another GOT (server).
- The client function can also be used to indirectly read/write device values of PLC CPUs other than the one to which the GOT (client) is connected.

Database linkage support enhances productivity at your worksite



More cost for installing a gateway personal

Gateway PC

U U

MES interface function

The GOT transmits data from connected FA devices to the server personal computer database via SQL statements.

• For communication with the database, just specify the necessary data in GT Works3 without programming. There is no need to use a gateway personal computer and complicated programs to communicate with the MES database server.

When MES interface function is used

MES application

MES interface function

SELECT (multiple data)

UPDATE

INSERT end product

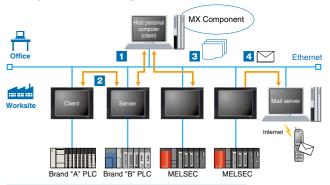
No need for gateway personal computer or database

3 Direct check/edit of data in the CF card (FTP server function)

• Files in the CF card within the GOT (e.g. alarms, recipes, and hard copies) can be directly read and written from a personal computer.

4 Mail send function

• The alarm history display function can transmit alarm occurrences and recovery information by e-mail to personal computers and mobile phones.



An optional device may be necessary For details, see "Selection of optional units and devices" (page 81)

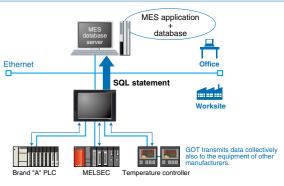
MES interface function

- DB link function (tag function / trigger buffering function / trigger monitor function / SQL statement transmission function <SELECT / SELECT multiple data / UPDATE / INSERT> / calculation processing function / program execution function / DB buffering function)
- SNTP time synchronization function
- Resource data transmission function Diagnosis function
- DB server function (ODBC connection function / connection setting function / log output function)

Usable databases

- Oracle® 8i/9i/10g/11g Microsoft® Access 2000/2003/2007
- Microsoft® SQL Server 2000/2005/2008
- Microsoft® SQL Server 2000 Desktop Engine (MSDE2000)
- Wonderware® Historian 9.0 Compatible only with 32-bit versions.
- <MES (Manufacturing Execution System)>

A manufacturing execution system (MES) is a system which controls and manages production processes at a worksite in order to optimize quality, productivity, delivery date, and cost.



*: Not supported by the GT16 Handy



Mitsubishi Electric e-F@ctory presents the appropriate products to connect production information and MES (manufacturing execution system) to improve productivity of clients' plants.

34 An optional device may be necessary. For details, see "Selection of optional units and devices" (page 81)

Efficient input of extensive comment data

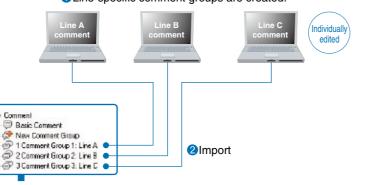
Comment groups

 CSV/Unicode text format files can be imported. Multiple files can also be imported to individual comment groups, allowing the task of inputting comments to be distributed among several workers, greatly reducing the required input time.

Management of project data line by line is no longer required.

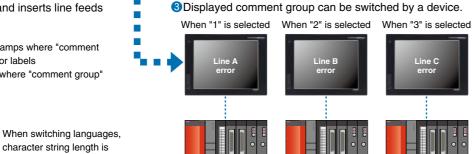
Example of comment group use

1 Line-specific comment groups are created.



 Automatically adjusts character size and inserts line feeds according to the object size.

- <Supported objects> Touch switches or lamps where "comment group" is selected for labels
 - · Comment displays where "comment group"



燃料を確認してください。 automatically adjusted to fit within the object. Confirm remaining amount of fuel,

Easy creation of multilingual screens

Multilingual support

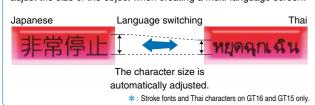
By using comment groups, different language comments can be created for each comment group column to switch the display language.

- Comment group comments can be created freely for applications, as well as for different languages.
- You can specify the column number of the comment group to change the language of the startup message on the GOT.
- *: Refer to "Comment groups (page 36) " for the details of comment groups.
- The system alarm and utility screen display languages can be changed in conjunction with the language selection

Convenient for language switching

36

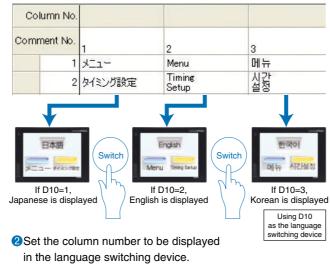
When stroke fonts are used with switching languages for touch switches, lamps or comment displays, the character size is automatically adjusted by the size of the object. There is no need to adjust the size of the object when creating a multi-language screen.



Users can quickly change the language display.

Example of switching between Japanese, English, and Korean screens

Use comment groups to create Japanese, English and Korean comments in their respective columns.



3The displayed comment (language) changes.

Available for touch switches, lamps, comment displays, the historical data list display NEW, the alarm history function, the user alarm function NEW, and the advanced alarm function

Easily create complex recipe data

16 15 Advanced recipe function

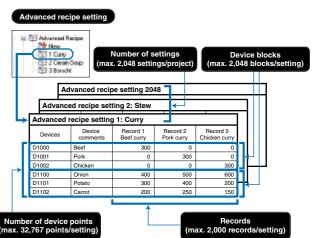
This function allows material combination data and processing conditions data (device values) to be held in the GOT, with only required data being written to and read from the PLC.

An extensive number of settings and flexible recipe data can be created

- Up to 2.048 blocks can be used, each block is comprised of sequential word devices, an arbitrary word device (1 point), and a bit device (1 point).
- Because devices also permit bit and word combinations and arbitrary device settings, there is no need to centralize the sequential devices used, thereby reducing the total number of device points used.
- Advanced recipe files can be converted into CSV or Unicode format text files, and can be edited on a personal computer. *
- *: The advanced recipe file has a binary format. It must therefore be converted to either a CSV file or a Unicode text file by using GT Works3, the GOT utility, or an external control trigger device. After being converted, only the device values can be edited. When more than 251 records are included in an exported Advanced Recipe file (CSV or Unicode text format), use a text editor or Microsoft Excel 2007 or later to

Easy handling of recipe data using the GOT

- Recipes can be handled easily with the GOT's utility function without having to create a recipe operation screen.
- CSV/Unicode text files can be converted into binary format files on the GOT. Even without GT Works3, you can edit data on a personal computer and use it on the GOT. NEW





For better work efficiency and enhanced

Script function

Project script/screen script

customization functions

 Control statements, file operation functions, string operation functions, etc. can be specified to a project or to individual screens.

Object script (For GT16 and GT15 only)

• Drawing functions and display control functions can be specified per object. Object functions can be expanded, for example, to change colors and display positions and to freely draw graphics.

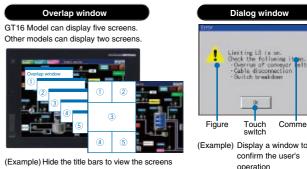
Controlling the GOT display with scripts can reduce load on the controller and enhance maintenance performance. The editor includes input support that makes it easy for you to write scripts.

Extreme freedom in designing that enables you to create more effective screens

record list screen

Various types of window screens

• Use overlap windows and dialog windows to create various types of screens.



as divided windows (GT16)

information screen

Key window There is no need to create keypads for numerical input and key windows for ASCII input.

When entering ASCII characters, you can switch windows to display character selection

startup & operations

Drawing, computing, communication a trio of high-speed response functions

The GOT1000 series offers faster response in drawing, computing and communication, reducing monitoring and operation load.

High-speed drawing

- Sharp and quick drawing of complex, layered component screens, and detailed photographic data in 65.536 colors
- The GT16 further speeds up drawing operations.

High-speed computing

 Ultra-high performance processing power to satisfy the most complex and demanding of applications

High-speed communication

The touch switches for

brightness adjustment

are registered in the system library.

• High-speed communication is possible for connections with both Mitsubishi and third party PLCs.

For connectable PLC models, see "List of connectable models" (page 65).

Backlight brightness adjustment

Adjust brightness according to surroundings

• Consider the conditions in the operation environment

the brightness of the backlight while viewing the user

• By using the script function or the status monitor function,

you can automatically adjust the brightness according to

(daytime/nighttime etc.) and user comfort. You can adjust

GT16/GT15 response performance comparison [Using MELSEC Q series] CPU direc CC-Link Ver.2(ID connection) CC-Link IE Controlle CC-Link IE Field

Easy-to recognize backlight state

Color-coded front face LED

• The color of the LED on the front of the GOT unit indicates whether the backlight is OFF or has expired.

[Power LED: Color-coded message]

Green ON	When normal power is being applied	Orange/green blinking	When backlight life has expired
Orange ON	When in screen-save mode	OFF	When power is not being supplied

For planned commodity maintenance

16 15 Maintenance time notification function



 The cumulative backlight ON time is automatically monitored, and the operator is notified when maintenance is required. This facilitates scheduled maintenance and prevents system malfunctions.

<Subject to be monitored> Backlight, display area

Warning! Backlight needs replacement soon.

An optional device may be necessary For details, see "Selection of optional units and devices" (page 81).



Easy data transmission without opening the

Equipped with front USB interface*

To minimize production time, the GOT provides

the user with worksite-required functions

*1 : Back face layout for GT12.

USB device (Mini-B)

 Connect the USB device (Mini-B) port to a personal computer. You do not need to open the panel to transfer operating systems and project data or to use the FA transparent function.

*: To connect the GOT to a personal computer, use the dedicated USB cable. For more details, see "Product list" (page 74).



With USB environmental protection cover installed (standard feature) IP67f

*: This does not guarantee protection in all users' environments.

Sequence program and parameters can easily be modified at the worksite

FA transparent function

- Connected with a personal computer, the GOT acts as a transparent gateway to enable programming, start up, and adjustment of FA equipment.
- Users do not have to bother with opening the cabinet or changing cable connections. (When using the USB
- The FA transparent function can be used when a GOT and a personal computer are connected via USB, RS-232 or even using an Ethernet connection. (Supported only by GX Works2, MX Component/MX Sheet)

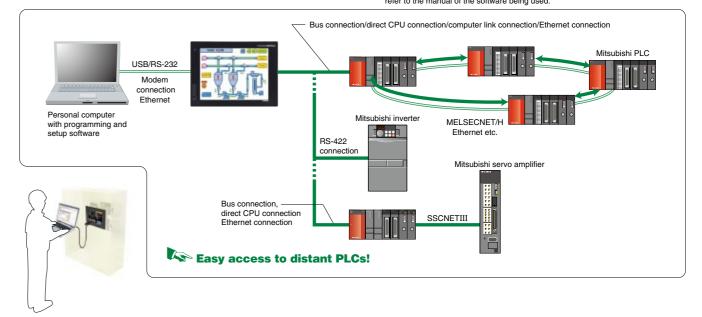
USB host (Type A) (for GT16 only)

- Operating systems, project data, and resource data can be stored in a USB memory device.
- A USB mouse/keyboard can also be used by connecting to the USB host interface.
- <Example of the use of a USB memory>



- Supported software*
- · MELSOFT Navigator GX Works2
- GX Developer
- GX Configurator-AD/DA/SC/CT/TI/TC/AS/FL/PT/QP
 PX Developer

- FX3U-ENET-L Configuration Tool MT Works2
- MT Developer
- MR ConfiguratorMR Configurator2 FR Configurator
- RT ToolBox2
- NC Configurator
- MX Component/MX Sheet
- GX LogViewer LCPU Logging Configuration Tool
- For more details, see the GOT1000 Series Connection Manual
- (Mitsubishi Products) for GT Works3. *: For the software access range when using the FA transparent function, refer to the manual of the software being used.



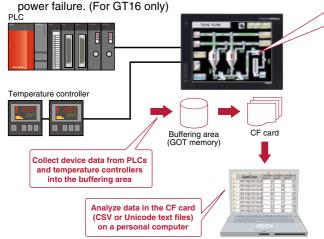
The monitor screen includes about 250

Smooth operation from the collection of various data to storage of time-series data

Logging function/historical trend graph/ historical data list display

• Collecting data from temperature controllers and other units with the GOT can reduce the load on the PLC.

 Logging data is saved in the built-in SRAM even during a power failure. (For GT16 only)

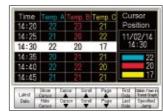


Display with graphs Historical trend graph



- After collecting data with the logging function, you can display the data in a time series.
- Scroll the view or specify the time so that vou can check necessary data easily.

Display with values Historical data list display



- Data collected with the logging function is displayed in list format.
- The historical trend graph for a specific time can be displayed by designating the

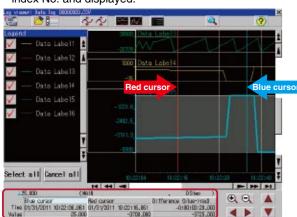
Display logging data of a LCPU and high speed data logger module on the GOT



Display logging data without a PC

_{ет} 16

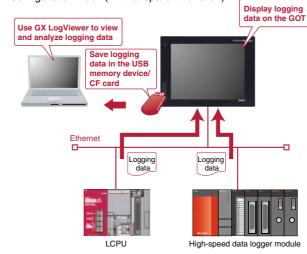
- Logging data collected by a LCPU or high speed data logger module can be displayed on the GOT.
- <Data to be displayed> Data logging (historical display)
- •By displaying two cursors (multi-cursor), changes in data can easily be checked.
- •The collected logging data can be searched for by time or index No. and displayed.



You do not need to have a PC onsite. Check logging data from the GOT, and you can take corrective actions quickly.

Logging data can be collected without opening the cabinet -

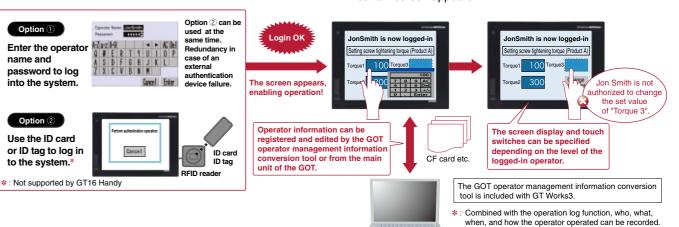
- In a USB memory device attached to the USB interface on the front of the GOT, you can save logging data of the LCPU and high speed data logger module. In this way, you can collect the logging data easily with the GOT without removing the CF card/SD card from the LCPU or high speed data logger module.
- Connect a personal computer to the front USB interface of the GOT to view the LCPU logging data with the GX LogViewer, or to change the logging settings with the LCPU Logging Configuration Tool. (FA transparent function)



Enhanced security system using password



- Two options are available for authentication of operators when the system starts or the screen changes.
- You can define various triggers, for example, to force operators to log out of the system automatically when a certain screen appears.



Setting the level (authority) of operation and display for each operator can strengthen security and prevent operation errors.

An optional device may be necessary.
For details, see "Selection of optional units and devices" (page 81).

Very helpful for identification and analysis of causes of incorrect operation

ет 16 15 **Operation log function**

 Operations performed by operators on the GOT can be recorded with respect to time, making it possible to check when, what, and how the operation was performed.

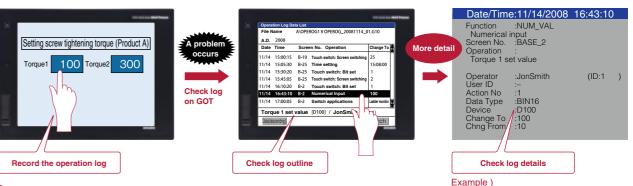
• List operations by type and easily search for specific device and GOT operation state changes.

See "Operation log function."

<Specifiable operations>

Touch switch operation, numerical value input operation, security level change, screen change, etc.

- Recorded log data is saved in the CF card and is available for checking on the GOT main unit or on a personal computer (CSV or Unicode text files).
- *: Use of this function together with the operator authentication function enables recording of "who" has operated. See "Operator authentication function



Refer to the operation log file, and investigate the problem source.

An optional device may be necessary.
For details, see "Selection of optional units and devices" (page 81).

At 16:43:10 on November 14, 2008, Jon Smith changed the Numerical Input data entry to change the D100 value from 10 to 100 in "Torque 1 Set Value" on the BASE_2 screen.

For maintenance personnel

16 15 Backup/restoration function

With backup and restore, fear troubles no more

- The sequence program and parameter data of the PLC CPU and motion controller, etc. can be backed up to the CF card in the GOT.
- Users can perform batch operation to restore the data to the PLC CPU or motion controller.

<Objective data> Programs, parameters, device comments, device initial value data, file registers, etc.

Objective model> MELSEC Q-Series (excluding Q12PRH/Q25PRHCPU), L-Series. FX-Series.

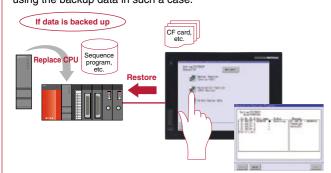
> Q-Series motion controllers (SV13/SV22 only), CNC C70, Robot controller (CRnD-700, CRnQ-700)

<Usable connection type> Bus connection, CPU direct connection,
 computer link connection,
 Ethernet connection

The backup data conversion tool is included with GT Works3.

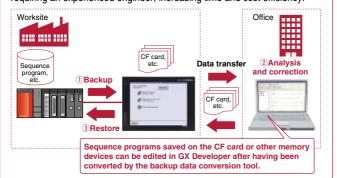
Example of use ①

Make a data backup in case of a PLC or CPU failure or a dead battery to quickly replace the faulty device and restore the system using the backup data in such a case.



Example of use ②

When a problem occurs, or when the PLC CPU program is updated, the sequence program data can be transferred, analyzed, and corrected without requiring an experienced engineer, increasing time and cost efficiency.

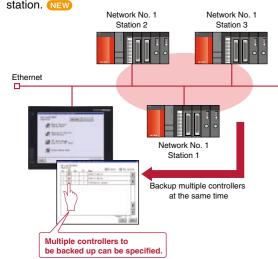


PLC CPU programs can be easily changed without a personal computer at the worksite or any previous GX Developer knowledge.

*: When replacing the PLC CPU, the restoration function may not be available depending on the system configuration and connection type.

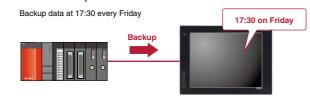
Backup multiple controllers at the same time —

 Multiple controllers can be backed up at the same time over Ethernet. Target controllers for backup can be specified per station.



Automatic backup is available

 Besides automatic backup from touch switches, you can specify a trigger device, a day of the week, and time for automatic backup.



Password for increased security

 Define a password to perform password authentication when executing backup/restoration.



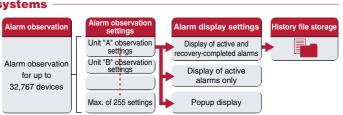
An optional device may be necessary. For details, see "Selection of optional units and devices" (page 81).

Clear communication minimizes machine downtime even during an alarm



A wider monitoring range protects even large-scale systems

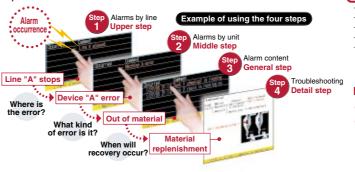
- Alarm observation is possible for up to 32,767 devices with a maximum of 255 alarm observation setting groups.
- Batch display of large amounts of alarm information in large-scale systems, and unit-specific classification for easy management.
- Alarm log data can be saved in the built-in SRAM even during a power failure. (NEW) (For GT16 only)



Rapid detection and corrective action for a wide array of alarms

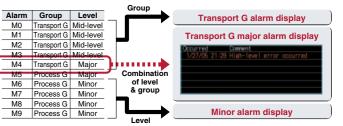
Four-step alarm notification

- Alarm occurrence conditions can be divided into 4 steps and conveyed to the operator in an easy-to-understand, step-by-step format.
- The four-step display makes it easy to take in and sort out alarm conditions (information such as where, what, and how). This enables efficient troubleshooting when multiple problems occur.



Group-specific & level-specific displays

 Alarms can be classified by group and level, with only specified alarms being displayed.



Easy searching with time designation NEW

- Specify a time and easily check the required data.
- When used with the historical trend graph, by specifying the time at which an error appears to have occurred on the graph, the state of alarm occurrence at that time can easily be viewed.

Easy-to-understand display —

• The use of colors and popups produce easily recognizable alarm displays.



Improved system alarms

 The PLC/GOT/Network monitoring subject can be specified in advance, with only those specified alarms being displayed.

Support in identifying alarm causes (utility function) —

- Alarm occurrence conditions can be displayed in a time-series graph form.
- Alarm occurrence counts can be displayed in bar-graph form.

maintenance time

personnel

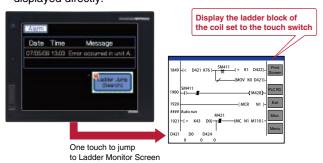
The GOT Ladder Monitor Function is greatly improved with the One-Touch Ladder Jump function

16 15 Ladder monitor function

MELSEC Q/QS/L/QnA/A/FX series PLCs, CNC C70, MELDAS C6/C64 sequence programs can be monitored in a circuit diagram (ladder format).

Defect search with the One-Touch Ladder Jump function (Q/L/QnA series, CNC C70)

 By setting a program name and coil number of the PLC to a touch switch, the relevant ladder circuit block can be displayed directly.



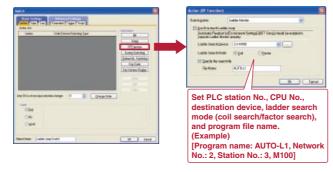
• Select [SP Function]-[Ladder Monitor] from the touch switch

instance

Supported by XGA/SVGA/VGA models ladder program of a Q/L/QnA.

It cannot alter device values, for

FX3GCPU is not supported.

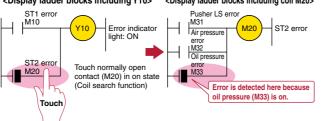


Wide monitoring range and useful functions make maintenance work more efficient!

- Not only connected PLCs, but also PLCs of other stations, multiple CPUs, multiple programs in the CPU, and local devices can be monitored.
- The programs and comments of multiple connected controllers can be saved in a CF card, so the ladder data can be switched and displayed without reading the data from the PLC.(Q/L/QnA series) N
- Device values and timer (T) / counter (C) set values can be changed.
- Used together with the alarm history, a back-tracking ladder search can be performed to find the contact which triggered the alarm. < Defect search>
- Simply touching the Ladder Monitor screen can execute a coil search and contact point search. (Q/L/QnA series) <Touch search>
- The number of ladder program lines displayed on a XGA model has increased thus it is more user-friendly than ever. NEW

An optional device may be necessary. For details, see "Selection of optional units and devices" (page 81).

Example of touch search (when error indicator light [Y10] is on) <Display ladder blocks including Y10> <Display ladder blocks including coil M20>



Since the source of operation halts and interlocks can be easily checked, unexpected problems can be detected quickly.

Simple and easy!

Use the GOT to correct ladder programs, no need for a PC!

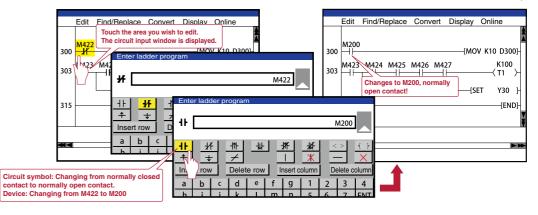
16 15 Ladder editor function

Sequence programs of Mitsubishi PLC Q Series (Q Mode) and CNC C70 can be edited in the ladder format.

- *: Supported by XGA/SVGA/VGA models excluding 5.7" types.
- *: QnPHCPU/QnPRHCPU are not supported.

Ladder programs can easily be edited on the GOT at the worksite

- Just touch the portion (e.g. contact points, vertical lines) you want to edit in the ladder program. You can enter, change, or delete circuit symbols and devices. You can also insert or delete vertical lines and horizontal lines as well as columns
- Search and replace of devices makes it easy to locate the point to be edited. You can also make two or more modifications in one operation.
- Statements and notes can be edited.
- The details edited last can be restored (undone).



Writing into PLC while it is in operation

- Edited programs can be written from GOT to a PLC even if it is in operation. You do not need to stop equipment in operation to correct ladder programs.
- Remotely change the PLC's mode to "STOP" or "RUN" from the GOT

Grasping CPU status with PLC diagnosis

• The CPU operation status and current errors can be monitored. NEW

An optional device may be necessary. For details, see "Selection of optional units and devices" (page 81).

Long access range and convenient functions for efficient maintenance!

- Besides a directly connected PLC, you can edit multiple programs on another station's PLC, multi CPU, or CPU in
- You can view current values, perform a search, and conduct
- The one-touch ladder jump function is available. This is helpful to identify problem causes.

Monitor SFC programs on the GOT to make troubleshooting even easier



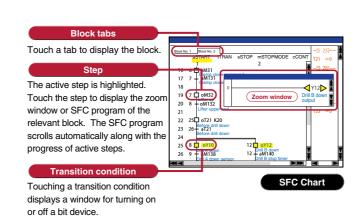
44

SFC monitor function

MELSEC Q/L series PLC SFC programs (MELSAP3, MELSAP-L) can be monitored in a graphical format.

- Viewing the block list or active step list enables you to see the complete status at a glance.
- Touch an SFC chart or a zoom window to specify a device. Then, the Ladder Monitor function displays other sequence programs that use the specified device.
- A device test can easily be conducted from a SFC chart or
- Save programs and comments in the CF card of the GOT. They can be retrieved at a moment's notice.

*: Supported by XGA/SVGA/VGA models.



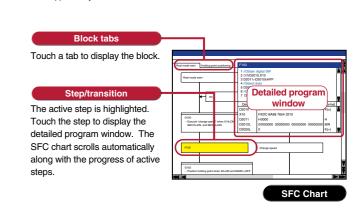
Motion SFC programs of the Mitsubishi Motion Controller (Q Series) can be monitored.

Motion SFC monitor function

Use the GOT to monitor a motion SFC program

- Viewing the batch program monitor or the active step list enables you to see the complete status at a glance.
- The detailed program window allows you to monitor programs and current values of operation control steps and
- Save programs in the CF card of the GOT. They can be retrieved at a moment's notice

* Supported by XGA/SVGA/VGA models



45

An optional device may be necessary. For details, see "Selection of optional units and devices" (page 81)

An optional device may be necessary. For details, see "Selection of optional units and devices" (page 81)

System monitor function

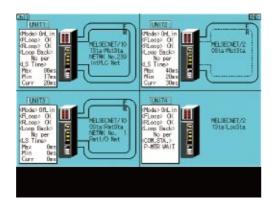
- The devices of PLCs, motion controllers, CNCs and robot controllers can be monitored and changed.
- *: Only monitoring, but not changing device values and other operations, is available
- The current values and setting values of timers (T) and counters (C) can be changed.
- The buffer memory (BM) of an intelligent function module can be monitored and changed.



At-a-glance monitoring of network status

Network monitor function

- Enable monitoring of network line conditions of the CC-Link IE Controller Network, CC-Link IE Field Network, MELSECNET/H, MELSECNET/10, and MELSECNET II on a dedicated screen.
- Communication line and information from the host and other stations can be monitored to check the communication



Easy-to-understand display of buffer memory values and I/O information

16 15 Intelligent module monitor function

- Buffer memory values of intelligent function modules (e.g. QD75MH) and the ON/OFF status of I/O units can be monitored and changed.
- When a QCPU (Q mode), a QSCPU or a LCPU is in use, CPU operating status and existing errors can be monitored by PLC diagnosis.
- QD65PD2 and LD77MH16 are now supported. NEW
- *: Supported by XGA/SVGA/VGA models

46



Easy maintenance of MELSEC-L Series



- The maintenance screen dedicated to LCPU is installed. Without designing new screens and even without using a personal computer, you can check CPU status/error information easily.
- Just touch the dedicated screen. You can jump to a function screen such as the intelligent unit monitor to quickly take corrective actions on site.



Easy adjustment of Q series motion controller

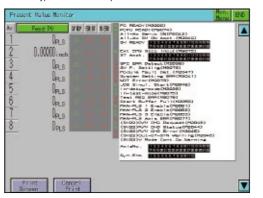
16 15 Q series motion monitor function

- Up to 3 Q-type motion controllers can be used on a single base, with monitoring and parameter settings possible.
- Access to other stations is also possible.

<Obiective models>

- Q172D/Q173DCPU (-S1) Q170MCPU
- Q172H/Q173HCPU
- Q172(N)/Q173(N)CPU
- *: Supported only if the Q series motion controller CPU has the SV13/SV22 OS

Moreover, available functions of the Q series motion monitor vary according to the CPU type or the servo amplifier model.



Save space and cost when no dedicated display device is required

CNC monitor function/CNC data I/O function

CNC monitor function

 Connecting to a CNC (C70, C6/C64) enables functions such as position display and alarm diagnosis, and allows tool offset parameters to be set.

CNC data I/O function

• This function can be used to copy and delete CNC C70 work programs, parameters, etc.



*: Supported by XGA/SVGA models.

An optional device may be necessary.
For details, see "Selection of optional units and devices" (page 81).

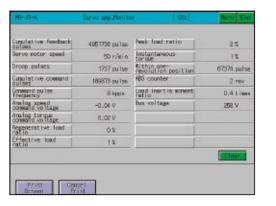
Easy startup and adjustment of a servo amplifier

16 15 Servo amplifier monitor function

• In a system which outputs pulse strings, the GOT can be connected to a servo amplifier in a serial connection to perform the following operations: set up, monitoring, alarm

display, diagnosis, parameter setting, and test operations.

*: Available monitoring functions vary according to the servo amplifier type.

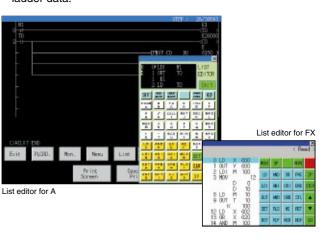


Convenient method for minor program changes

List editor for A/List editor for FX

• MELSEC-A series, FX series PLC sequence programs can be edited in list format (instruction word).

- Permits minor program changes onsite, even without a peripheral device.
- Used together with the ladder monitor function, the GT16 and GT15 can edit sequence programs while viewing the ladder data.



GOT

Various screen sizes

The GT10 now offers line up of models with 5.7" and 4.7" screens, enabling more flexible screen layouts. The 4.5" and 3.7" wide screen models are also available with a white frame.



GT1050 ¢ GT1055

- QVGA 320 × 240 dots
- Minimum touch key size: 16 × 16 dots
- Maximum number of touch keys: 50/Screen



- Matrix touch panel
- Minimum touch key size: 16 × 16 dots Maximum number of touch keys: 50/Screen



Black frame





- 288 × 96 dots Matrix touch panel
- Minimum touch key size: 16 × 16 dots
- Maximum number of touch keys: 50/Screen

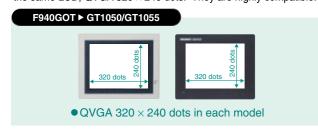


Similar dimensions to the F900 Series allows for simple replacement without panel design changes*1

*1: When the F940GOT is replaced with the GT1050/GT1055 or when the F930GOT is replaced with the GT1030

GT1050 / GT1055

The GT1050, GT1055, and F940GOT are of the same size, 5.7", with the same LCD, QVGA 320 × 240 dots. They are highly compatible.



GT1030

The GT1030 has the same panel mounting dimensions as the F930GOT yet with improved resolution*2.

*2: 1.44 times compared with the F930GOT F930GOT▶GT1030

Black frame



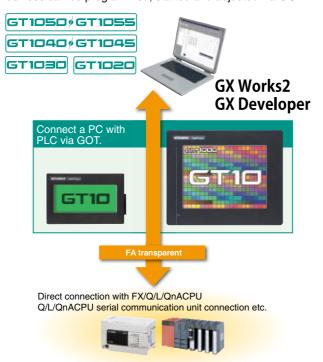




- 160 × 64 dots
- Analog touch panel
- Minimum touch key size: 2 × 2 dots
- Maximum number of touch keys: 50/Screen

FA transparent function

When a GOT and a personal computer are connected, the FA devices can be programmed, started and adjusted via GOT.



GOT multi-drop connection

By using the serial multi-drop connection unit, the GT01-RS4-M, up to 16 GOT1000 units can be connected. The total distance can be up to 500m.



- *: See relevant manuals for connectable hardware and software versions
- *: GOT multi-drop connection is also available for GT16, GT15, and GT11.

Connection to Mitsubishi inverters and AC servos

Direct connection to Mitsubishi inverters and AC servo amplifiers with RS-485 makes it easy to adjust parameter settings etc.



* : See relevant manuals for connectable hardware and software versions

Common software functions

GT10 includes convenient functions of more advanced models in a compact package.

- Preinstalled OS to enable immediate use Displaying custom startup screens Choose your font
 - Display in a variety of languages
- A variety of alarm functions and and comment switching function window functions Screen save function
- The recipe function and multi-action switch

Functionality

for reducing sequence program load

Screen (base: max. 1,024 screens, window: max. 512 windows) ©Fonts (standard (6 × 8 dots; Gothic, 16 dots; Gothic, 12 dots; Gothic [except GT1020])/high quality/TrueType/Windows) Screen switching function, screen call-up function, language switching function password, system information, setting connected devices, and startup logo

Straight lines, continuous lines, rectangular, polygons, chamfered quadrangles circles, ellipses, arcs, elliptic arcs, circular sectors, and elliptic sectors ODivision indication OPainting OImages (BMP/DXF)

OComment registration (basic comments and comment groups) ○ Parts registration ○ Data computing function ○ Offset function ○ Security function ○ Lamp indications ○ Touch switches ○Numeric indications and input ○ASCII indications and input ○Clock function (GT1050, GT1055, GT1040, GT1045, GT1030: Integrated clock, GT1020; Read from the PLC clock) Comment displays OAlarm list and alarm history

OParts display OPanel meters

* : See the manual for details.

Supporting the GT Works3 simulator function

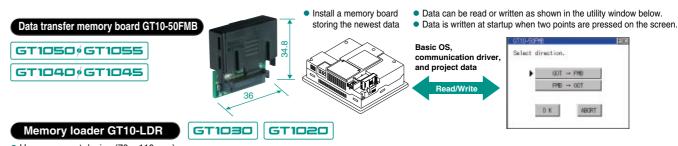
Created screens can be easily debugged without an actual machine.



*: Supported with GT Works3 Ver. 1.22Y or later

Data transfer for improved user-friendliness and flexibility

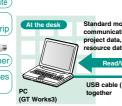
Optional memory board and memory loader provide a convenient way to download project data and operating system data to terminals without a PC. Furthermore when downloading to multiple units speed and efficiency is increased.

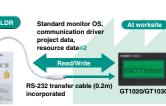


- Has a compact design (70 × 110 mm), where the GOT transfer cable can be stored inside the body.
- Can write the standard monitor OS. communication driver, and project data. Can read the project data and
- resource data. Offers simple switch type operation. where the write-protect switch prevents erroneous reading.
- Does not require a power supply as power is supplied from the GOT or personal computer.



(Visiting a customer For copying series production units





- *1 : Only the standard monitor OS and communication driver can be written and only resource data can be read. *2 : Only resource data can be read.

GOT1000 flexibly interacts with process control.

MELSEC process control MELSEC will change process control. From dedicated systems to PLCs.

"MELSEC process control" is used in a wide range of applications from device process control to plant process control. The GOT1000 can be used as the monitoring interface.

When using Mitsubishi FA devices, the outstanding interaction allows a high-performance process control monitor system to be created easily.

Four benefits that MELSEC process control and GOT1000 (GT16/GT15) can offer.

①PX Developer creates GOT process control monitor screens automatically

Based on the information such as tags defined by PX Developer, process control monitor screens for the GOT can be created automatically, greatly reducing the time required for screen design.

GT Works3 can then customize the automatically created screens.

By using the GT Works3 simulator function and GX Simulator, the operation of programs and screen data can be confirmed on a personal computer even without an actual machine. NEW

*: For details on the compatible software version and functions, see the PX Developer Operating Manual.

[Screen examples that can be created automatically]





Tuning screen





Alarm list screen

Trend graph screen

2Utilizing GOT1000 & GT SoftGOT1000 data

Only by using GT Works3 and PX Developer, a process control monitor system can be developed for both the worksite (GOT1000) and the remote monitoring location (GT SoftGOT1000). Screen data can be shared to monitor screens efficiently.

Worksite



- Excellent anti-environment performance (IP67f) for operation in various types of worksites.
- The VESA mount adapter is available.

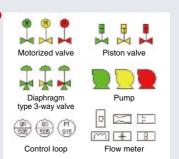
 Touch switches on the GT SoftGOT1000 can call up screens such as face plates and the alarm list of the PX Developer monitor tool.

Monitoring GT SoftGOT1000 in the monitoring location

- Since GOT1000 screen data can be used for GT SoftGOT1000 without modification, no screens need to be created just for the monitoring location.
- *: For more details, see "GT SoftGOT1000" (page 26)

3 Process control parts library NEW

Library of process control parts has been added. This allows a process control graphic screen to be created easily.



4) Various GOT1000 functions are available for process and **duplex CPU**

The various GOT1000 functions usable with process and duplex CPUs support the maintenance work of the process control

- Operation log function
- Operator authentication function
- Backup/restoration function, etc.

Mitsubishi FA Integrated Platform

optimizes front line of production

Platform

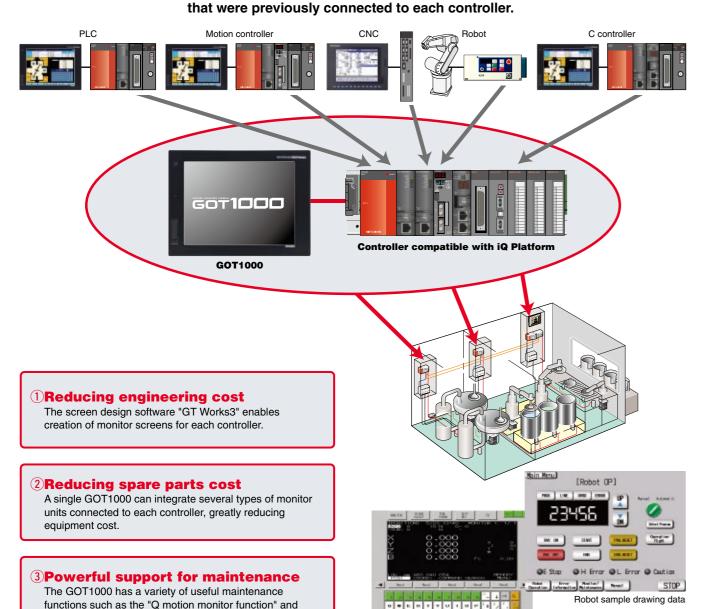
"iQ Platform," the next generation integrated platform

- integrated Q
- improved Quality
- intelligent & Quick
- innovation & Quest

With high speed control and convenience fully assured, controllers compatible with the iQ Platform and the GOT1000 are the keys to higher productivity at lower costs.

Real-time multi CPU access with the iQ Platform

PLCs, motion controllers, CNCs, robot controllers, and C controllers are integrated into one as a controller compatible with the iQ Platform. The GOT1000 can integrate different types of monitor units



*: Connectable models and usable functions vary depending on the GOT main unit.

troubleshooting. (GT16 and GT15 only)

"CNC monitor function," very capable of and reliable for

General specifications

Iter	n		Specification						
Operating ambient	Display			0°C to	50°C*5				
temperature*1	Other than display			0°C to	55°C*5				
Storage ambier	t temperature			-20°C t	to 60°C				
Operating ambi	ent humidity			10 to 90%RH, n	no condensation	ı			
Storage ambier	t humidity			10 to 90%RH, n	no condensation	ı			
				Frequency	Acceleration	Half amplitude	Sweep count		
Vibration resistance		to IIC B 2502	Under intermittent	5 to 8.4Hz	-	3.5mm	10 times each in X,		
			vibration	8.4 to 150Hz	9.8m/s ²	_	Y and Z directions		
		IEC 61131-2	Under continuous	5 to 8.4Hz	-	1.75mm			
		1.20 01.01 2	vibration	8.4 to 150Hz	4.9m/s ²	_			
Impact resistan	ce	Conforming	to JIS B 3502 and	IEC 61131-2 (1	47m/s ² , 3 times	each in X, Y an	d Z directions)		
O		N	o oily smoke, corre	osive gas or con	nbustible gas, le	ess conductive d	lust,		
Operating atmo	spriere		away fro	om direct sunligl	ht (the same in	storage)			
Operating altitu	de*2			2000m	or less				
Installation loca	tion			In contro	l panel*6				
Overvoltage car	egory*3			Ⅱ or	lower				
Contamination I	evel*4			2 or	less				
Cooling method				Self-c	ooling	·			
Grounding		Τ\	pe D grounding (1	00Ω or less). C	Connect to pane	I if unable to gro	und.		

- *1: The maximum operating ambient temperature should be 5°C lower than that shown in the table on the left when connecting to a multimedia unit (GT16M-MMR), MELSECNET/H communication unit (GT15-J71LP23-25 or GT15-J71BR13) or CC-Link communication unit (GT15-J61BT13).

 *2: Do not operate or store the GOT unit in pressurized environments where
- the pressure exceeds 0m elevation atmospheric pressure, as this could result in abnormal operation.

 Do not pressurize inside the control panel for air purge cleaning. The
- to operate or causing the surface sheet, making the touch panel difficult to operate or causing the sheet to come off.

 *3 : Assuming that the device is connected at some point between a public power distribution network and local system equipment.

 Category II applies to devices that are supplied with power from fixed equipment. The surge withstand voltage is 2,500V for devices with ratings up to 300V. ratings up to 300V.
- *4: Index that indicates the level of foreign conductive matter in the operating environment of the device. Contamination level 2 denotes an environmen contaminated only by non-conductive matter which may, under certain conditions, become temporarily conductive due to condensation.
- *5: 0 to 40°C for GT1665HS *6: Excluding GT1665HS

Do not use or store the GOT under direct sun light or in an environment with excessively high temperature, dust, humidity or vibration.

For inquiries relating to products which conform to UL, cUL, and CE directives and shipping directives, please contact your local sales office.

Performance specifications

					Specification						
	Item	GT1695M-XTBA GT1695M-XTBD	GT1685M-STBA GT1685M-STBD	GT1675M-STBA GT1675M-STBD	GT1675M-VTBA GT1675M-VTBD	GT1675-VNBA GT1675-VNBD	GT1672-VNBA GT1672-VNBD	GT1665M-STBA GT1665M-STBD			
	Туре		TFT color LCD (high-brigh	tness, wide viewing angle		TFT co	lor LCD	TFT color LCD (high-brightness, wide viewing angle)			
	Screen size	15"	12.1"		10.	A ^{II}		(nigh-originaless, wide viewing angle)			
	Resolution	XGA: 1024 × 768 [dots]	SVGA: 800 × 600 [dots]	SVGA: 800 × 600 [dots]	10.	VGA: 640 × 480 [dots]		SVGA: 800 × 600 [dots]			
		304.1(W) × 228.1(H)[mm]	246(W) × 184.5(H)[mm]	5VGA. 600 × 600 [0015]	211(W) × 1			171(W) × 128(H)[mm]			
Display	. ,	16-dot standard font: 64 chars. × 48 lines (2-byte) 12-dot standard font: 85 chars. × 64 lines (2-byte)	16-dot standard font: 50	chars. × 37 lines (2-byte) 16-dot stand		dard font: 40 chars. × 30 l dard font: 53 chars. × 40 l	16-dot standard font: 50 chars. × 37 lines (2-byte) 12-dot standard font: 66 chars. × 50 lines (2-byte)				
	Display colors		65,536	colors		4,096 colors	16 colors	65,536 colors			
	View angle*2	Right/left: 75°, Up: 50°, Down: 60°	Right/left: 80°, Up: 60°, Down: 80°	Right/left/up/down	Right/left: 70°, Up/down: 65° (Function version D or later) Right/left/up/down: 88° (Function version C or earlier)	Right/left: 45°, U	p: 30°, Down: 20°	Right/left: 80°, Up: 80°, Down: 60°			
	Intensity	450 [cd/m ²]	470 [cd/m ²]	400 [cd/m ²]	450 [cd/m ²]	200 [cd/m ²]	400 [cd/m ²]			
	Intensity adjustment		8-step ac	ljustment		4-step a	djustment	8-step adjustment			
	1.7	Approx. 52	,000 hours	Approx. 43	,000 hours	Approx. 5	2,000 hours	Approx. 43,000 hours			
	Life	(operating ambient		(operating ambient			temperature: 25°C)	(operating ambient temperature: 25°C)			
Backlight	t		C		be (replaceable), with bac if time and screen save time		tion.				
	1.16.40		Approx. 50,000 hours or more								
	Life*3		(Time for display intensity r	eaches 50% at operating a	ambient temperature of 25	5°C)				
	Туре				Analog resistive type						
Touch	Key size				Min. 2 × 2 [dots] (per key)					
panel	No. of simultaneous touch points			Simultan	eous touch prohibited*4 (1	point only)					
* 10	Life*11				es or more (operating force						
	Detection distance	1	[m]	1,000,000		-					
-	Detection range		ıp/down: 70°								
Human	Detection delay time										
sensor	Detection Detection		. ,								
	temperature	Temperature different between human b									
Memory *5				n flash memory ect data and OS)			flash memory ect data and OS)	15MB built-in flash memory (for saving project data and OS)			
	Life (No. of writings)				100,000 times						
Internal o	clock accuracy				day (operating ambient ten						
(GT15-BAT type lithium batt						
	Backed up data		Clock		tification data, system log		a (500KB)				
	Life				ars (operating ambient tem						
	RS-232* ⁷			Con plication: Communication	ion speed: 115200/57600/s nector shape: D-sub 9-pin with connected devices, co /write, OS installation, FA t	(male) onnection to personal con	•				
	RS-422/485			nector shape: 14-pin (fem	ssion speed: 115200/5760 ale) Application: Commu	unication with connected					
	Data transfer system: 100BASE-TX, 10BASE-T, 1ch*6 Connector shape: RJ-45 (modular jack) Ethernet Application: Communication with connected devices, gateway function, connection to personal computer										
Built-in					stallation, FA transparent f						
Built-in interface		Applic	(pro	ject data read/write, OS in USB (full-speed 12		unction, MES interface fu ector shape: TYPE-A	nction)	. 32GB*13			
interface	USB	Applic	(pro	ject data read/write, OS in USB (full-speed 1: rd connection, USB memo USB Connector shape: Mini	stallation, FA transparent f 2Mbps), host 1ch Conne	unction, MES interface function, MES interface functor shape: TYPE-A ge FAT16 format: max. ce 1ch ion to personal computer	nction)	. 32GB*13			
interface	CF card		(pro ation: USB mouse/keyboa	ject data read/write, OS in USB (full-speed 1: rd connection, USB memor USB Connector shape: Mini (project data read Application: Data transfer,	stallation, FA transparent f Mbps), host 1ch Conne yr data transfer and storag (full-speed 12Mbps), devi- B Application: Connecti (write, OS installation, FA t Compact flash slot, 1ch data storage, GOT startup	unction, MES interface functor shape: TYPE-A pe FAT16 format: max. ce 1ch ion to personal computer ransparent function) FAT16 format: max. 2	nction)				
interface	CF card Optional function board		(pro ation: USB mouse/keyboa	ject data read/write, OS in USB (full-speed 1: rd connection, USB memo USB Connector shape: Mini (project data read Application: Data transfer, 1ch for	stallation, FA transparent f 2Mbps), host 1ch Conne ny data transfer and storag (full-speed 12Mbps), devi- B Application: Connecti write, OS installation, FA t Compact flash slot, 1ch data storage, GOT startup optional function board in:	unction, MES interface fu ictor shape: TYPE-A ge FAT16 format: max. ce 1ch ion to personal computer ransparent function) FAT16 format: max. 2 stallation	nction) 2GB, FAT32 format: max				
interface	CF card		(pro ation: USB mouse/keyboa	ject data read/write, OS in USB (full-speed 1: rd connection, USB memo USB Connector shape: Mini (project data read Application: Data transfer, 1ch for	stallation, FA transparent f ZMbps), host 1ch Conne ny data transfer and storag (full-speed 12Mbps), devi- B Application: Connecti Write, OS installation, FA t Compact flash slot, 1ch data storage, GOT startup optional function board in umunication unit/optional un	unction, MES interface fu ictor shape: TYPE-A ge FAT16 format: max. ce 1ch ion to personal computer ransparent function) FAT16 format: max. 2 stallation nit installation	nction) 2GB, FAT32 format: max				
interface	CF card Optional function board Extension unit*7		(pro ation: USB mouse/keyboa	ject data read/write, OS in USB (full-speed 1: rd connection, USB memo USB Connector shape: Mini (project data read Application: Data transfer, 1ch for 2ch for com Sin	stallation, FA transparent f 2Mbps), host 1ch Conne ory data transfer and storag (full-speed 12Mbps), devi -B Application: Connecti fwrite, OS installation, FA t Compact flash slot, 1ch data storage, GOT startup optional function board in imunication unit/optional un gle tone (tone length adjus	unction, MES interface fu letter shape: TYPE-A ge FAT16 format: max. ce 1ch ion to personal computer ransparent function) FAT16 format: max. 2 stallation nit installation table)	nction) 2GB, FAT32 format: max				
interface	CF card Optional function board Extension unit*7		(pro ation: USB mouse/keyboa	ject data read/write, OS in USB (full-speed 1: rd connection, USB memo USB Connector shape: Mini (project data read Application: Data transfer, 1ch for 2ch for com Sin	stallation, FA transparent f ZMbps), host 1ch Conne ny data transfer and storag (full-speed 12Mbps), devi- B Application: Connecti Write, OS installation, FA t Compact flash slot, 1ch data storage, GOT startup optional function board in umunication unit/optional un	unction, MES interface fu letter shape: TYPE-A ge FAT16 format: max. ce 1ch ion to personal computer ransparent function) FAT16 format: max. 2 stallation nit installation table)	nction) 2GB, FAT32 format: max				
Buzzer o Protective	CF card Optional function board Extension unit*7	Coni	(pro ation: USB mouse/keyboa	ject data read/write, OS in USB (full-speed 1: rd connection, USB memo USB Connector shape: Mini (project data read Application: Data transfer, 1ch for 2ch for com Sin	stallation, FA transparent f 2Mbps), host 1ch Conne ory data transfer and storag (full-speed 12Mbps), devi -B Application: Connecti fwrite, OS installation, FA t Compact flash slot, 1ch data storage, GOT startup optional function board in imunication unit/optional un gle tone (tone length adjus	unction, MES interface fuctor shape: TYPE-A pe FAT16 format: max. ce 1ch ion to personal computer ransparent function) FAT16 format: max. 2 stallation nit installation table)	nction) 2GB, FAT32 format: max				
Buzzer o Protective External	CF card Optional function board Extension unit*7 output re construction	Coni	(pro ation: USB mouse/keyboa nector shape: TYPE I	ject data read/write, OS in USB (full-speed 1: rd connection, USB memo USB Connector shape: Mini (project data read Application: Data transfer, 1ch for 2ch for com Sin	stallation, FA transparent f ZMbps), host 1ch Conne zyn data transfer and storag (full-speed 12Mbps), devi -B Application: Connecti write, OS installation, FA t Compact flash slot, 1ch data storage, GOT startup optional function board in imunication unit/optional un gle tone (tone length adjus front: IP67f*6 In panel: IP	unction, MES interface fu ictor shape: TYPE-A ge FAT16 format: max. ce 1ch ion to personal computer ransparent function) FAT16 format: max. 2 stallation nit installation table) 2X 1) × 49(D)[mm]	nction) 2GB, FAT32 format: max	32GB*13			
Buzzer o Protective External Panel cur	CF card Optional function board Extension unit*7 uutput ee construction dimensions	Coni 397(W) × 296(H) × 61(D)[mm]	(pro ation: USB mouse/keyboa nector shape: TYPE I	ject data read/write, OS in USB (full-speed 1: rd connection, USB memo USB Connector shape: Mini (project data read Application: Data transfer, 1ch for 2ch for com Sin	stallation, FA transparent f ZMbps), host 1ch Conne ny data transfer and storag (full-speed 12Mbps), devi- B Application: Connecti write, OS installation, FA t Compact flash slot, 1ch data storage, GOT startup optional function board in munication unit/optional un gle tone (tone length adjus front: IP67f* In panel: IP 303(W) × 214(F 289(W) × 2	unction, MES interface fu ictor shape: TYPE-A ge FAT16 format: max. ce 1ch ion to personal computer ransparent function) FAT16 format: max. 2 stallation nit installation table) 22X 1) × 49(D)[mm] 00(H)[mm]	nction) 2GB, FAT32 format: max	32GB*13 241(W) × 190(H) × 52(D)[mm]			

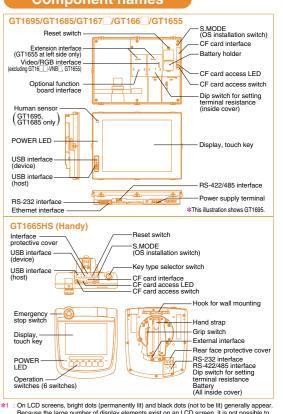
Power supply specifications

	., opcomean								
				Specif	ication				
Item	GT1695M-XTBA GT1685M-STBA		GT1675M-STBA GT1675M-VTBA GT1675-VNBA GT1672-VNBA GT1665M-STBA GT1665M-VTBA GT1662-VNBA	GT1695M-XTBD GT1685M-STBD		GT1675M-STBD GT1675M-VTBD GT1675-VNBD GT1672-VNBD GT1665M-STBD GT1665M-VTBD GT1662-VNBD	GT1655-VTBD	GT1665HS-VTBD	
Input power supply voltage	100) to 240VAC (+10%, -15	5%)		24VDC (+2	25%, -20%)		24VDC (+10%, -15%)	
Input frequency		50/60Hz ±5%				-			
Input maximum apparent power	150VA (at max. load)	110VA (at max. load)	100VA (at max. load)	-					
Power consumption	64W or less	46W or less	39W or less	60W or less	40W or less	38W or less	16W or less	11.6W or less	
With backlight off	38W or less	32W or less	30W or less	30W or less	26W or less	27W or less	14W or less	8.2W or less	
Inrush current		28A or less (4ms, at max. load)		12A or less (75ms, at max. load)	30A or less (2ms, at max. load)				
Permissible instantaneous failure time	With	nin 20ms (100VAC or m	ore)		Within 5ms				
Noise resistance		Itage 1500Vp-p, noise v lator with noise frequen		by	Noise voltage 1000Vp-p, noise width 1ms by noise simulator with noise frequency 30 to 100Hz				
Withstand voltage	1500VAC for 1 minute	e between power supply	terminal and ground		500VDC for 1 minute	between power suppl	y terminal and ground		
Insulation resistance		10ΜΩ	or higher with an insula	ation resistance tester (500VDC between powe	r supply terminal and g	round)		
Applicable wire size				0.75 to 2 [mm ²]				-	
Clamp terminal		(Clamp terminals for M3	screw RAV1.25-3, V2-	33.3, V2-N3A, FV2-N3A	4		-	
Tightening torque (terminal block's terminal screws)				0.5 to 0.8 [N·m]				-	

Performance enecifications

			Specif	ication	
		GT1665M-VTBA GT1665M-VTBD	GT1662-VNBA GT1662-VNBD	GT1655-VTBD	GT1665HS-VTBD
	Turno	TFT color LCD	TFT color LCD		lor LCD
	Туре	(high-brightness, wide viewing angle)		1 0 0 1	vide viewing angle)
	Screen size	8.		5.7"	6.5"
	Resolution			< 480 [dots]	
	Display size		28(H)[mm]		132.5(W) × 99.4(H)[mm]
	No. of displayed		6-dot standard font: 40		
Display *1	characters		2-dot standard font: 53		
	Display colors	65,536 colors	16 colors	Up/down/right/left: 80°	colors
	View angle*2 Intensity	Right/left: 80°, Up: 80°, Down: 60° Right/left: 45°, Up/Down:		350 [cd/m²]	Hight/left: 80°, Up: 60°, Down: 80° 550 [cd/m ²]
	Intensity adjustment	t 8-step adjustment 4-step adjustment		, ,	djustment
		Approx. 43,000 hours		Approx. 50,000 hours	r
	Life	(operating ambient temperature: 25°C)	(operating ambient temperature: 25°C)	(operating ambient temperature: 25°C)	
		Cold-cathode fluorescent tube (replaceable), with backlight OFF	LED (not replaceable), wi	th backlight OFF detection
Backligh	t		e and screen save time can be set.	function. Backlight off and s	
		Approx. 50,000 hours or more	Approx. 40,000 hours or more	Approx. 70,000 hours or more	-
	Life*3	(Time for display intensity r	eaches 50% at operating an	nbient temperature of 25°C)	-
T	Туре		Analog res	sistive type	
Touch panel	Key size			ots] (per key)	
*10	No. of simultaneous touch points			ohibited*4 (1 point only)	
	Life*11	1,00	00,000 times or more (or	perating force 0.98N or	less)
	Detection distance		-	_	
Human	Detection range			-	
sensor	Detection delay time		-	-	
	Detection temperature			- 	
Memory	C drive	15MB built-in flash memory (for saving project data and OS)	flash memory ect data and OS)		
* 5	Life (No. of unitings)	(for saving project data and OS)			ct data and OS)
	Life (No. of writings)	2.47 to 0.2		0 times	2 47 to 0 20 secoldou
Internal o	clock accuracy	3.47 to 8.3 (operating ambient to		-3.61 to 2.16 secs/day (operating ambient temperature: 25°C)*12	3.47 to 8.38 secs/day (operating ambient temperature: 25°C)*
			e lithium battery	GT11-50BAT type lithium battery	
Battery	Backed up data	Clock data, maintenan			
,	Life		rox. 5 years (operating		
			RS-232, 1ch		RS-232, RS-422/485, 1ch,
		Transmission speed	each (When using, select		
	RS-232*7	Conne	one of the channels.)		
		Application: Conn	Transmission speed:		
			115200/57600/38400/19200		
		(project data read/w	rite, OS installation, FA	transparent function)	
		(project data read/w		transparent function)	9600/4800bps Connector shape:
	DC 400/405		RS-422/485, 1ch : 115200/57600/38400/7		9600/4800bps Connector shape: Square, 42-pin (male)
	RS-422/485	Transmission speed Conr	RS-422/485, 1ch : 115200/57600/38400/ nector shape: 14-pin (fer	19200/9600/4800bps male)	9600/4800bps Connector shape: Square, 42-pin (male) Application: Communicatior
	RS-422/485	Transmission speed Conr	RS-422/485, 1ch : 115200/57600/38400/	19200/9600/4800bps male)	9600/4800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices
	RS-422/485	Transmission speed Conr Application: C	RS-422/485, 1ch : 115200/57600/38400/- nector shape: 14-pin (fer ommunication with conf	19200/9600/4800bps male) nected devices	9600/4800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 100BASE-TX, 10BASE-T, 1ch
	RS-422/485	Transmission speed Conr Application: C Data transfer s Connect	RS-422/485, 1ch : 115200/57600/38400/ nector shape: 14-pin (fer ommunication with conf system: 100BASE-TX, for shape: RJ-45 (modu	19200/9600/4800bps male) nected devices 10BASE-T, 1ch ular jack)	9600/4800bps Connector shape: Square, 42-pin (male) Application: Communicatior with connected devices Data transfer system: 100BASE-TX, 10BASE-T, 10C Connector shape:
Duilt in	RS-422/485 Ethernet	Transmission speed Conr Application: C Data transfer s Connect Application: Co	RS-422/485, 1ch: 115200/57600/38400/- lector shape: 14-pin (fer ommunication with control system: 100BASE-TX, for shape: RJ-45 (modimmunication with control with	19200/9600/4800bps male) nected devices 10BASE-T, 1ch ular jack) nected devices,	9600/4800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008ASE-TX, 108ASE-T, toh Connector shape: Square, 42-pin (male) Application:
		Transmission speed Conr Application: C Data transfer s Connect Application: Co gateway funct	RS-422/485, 1ch: 115200/57600/38400/- nector shape: 14-pin (feommunication with conrespectation) with constance and the state of the st	19200/9600/4800bps male) nected devices 10BASE-T, 1ch ular jack) nected devices, onal computer	9600/4800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008ASE-TX, 108ASE-T, to Connector shape: Square, 42-pin (male) Application: Communication with connected devices, cateway function.
		Transmission speed Conr Application: C Data transfer s Connect Application: Co gateway funct (project	RS-422/485, 1ch : 115200/57600/38400/ nector shape: 14-pin (fer ommunication with conr system: 100BASE-TX, tor shape: RJ-45 (modu mmunication with conr ion, connection to pers data read/write, OS ins	19200/9600/4800bps male) nected devices 10BASE-T, 1ch lar jack) nected devices, onal computer tallation,	96004800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008ASE-TX, 108ASE-T, 160 Connector shape; Square, 42-pin (male) Application: Communication with connected devices, gateway function, connection to personal compute (project data readwine, OS
		Transmission speed Conr Application: C Data transfer s Connect Application: Co gateway funct (project	RS-422/485, 1ch: 115200/57600/38400/- nector shape: 14-pin (feommunication with conrespectation) with constance and the state of the st	19200/9600/4800bps male) nected devices 10BASE-T, 1ch lar jack) nected devices, onal computer tallation,	9600/4800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008AS-TX, 100AS-TX, Connector shape: Application: Communication with connected devices, gateway function, connection to personal compute (project data readwise, Ostalation, Faradwise, Ostalation,
		Transmission speed Conr Application: Connect Application: Connect Application: Congateway funct (project FA transpare USB (full-speed 12M	RS-422/485, 1ch : 115200/57600/38400/- nector shape: 14-pin (fer ommunication with con- system: 100BASE-TX, or shape: RJ-45 (modu mmunication with conr ion, connection to pers data read/write, OS ins int function, MES interf bps), host 1ch Conn	19200/9600/4800bps male) nected devices 10BASE-T, 1ch lar jack) nected devices, onal computer stallation, ace function)	9600/4800hps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008ASE-TX, 108ASE-T, 106 Connector shape: Square, 42-pin (male) Application Communication with connected devices, galeway function, concluding the made with the connected
		Transmission speed Conr Application: C Data transfer s Connect Application: Co gateway funct (project r FA transpare USB (full-speed 12M Application: USB mouse	RS-422/485, 1ch : 115200/57600/38400/ inector shape: 14-pin (fee ommunication with conresponding to the system: 100BASE-TX, for shape: RJ-45 (modi- mmunication with con- ion, connection to persidate read/write, OS insent function, MES interf the post 1ch Conne systems of the constant of the con- post 1ch Connection, US	19200/9600/4800bps male) nected devices 10BASE-T, 1ch ılar jack) nected devices, onal computer tallation, ace function) sector shape: TYPE-A 3B memory data transfer	96004800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008AS-ETA, 108AS-ET, 106 Connector shape: Square, 42-pin (male) Application: Communication with connected devices, gateway function, connection to personal compute (project data readwire, OS enstallation, FA transparent function stage: 1028 full-geed 218/ps), text connected shape: 179EA Application: USB memory at shape: 179EA Application: USB memory at
		Transmission speed Conr Application: C Data transfer s Connect Application: Co gateway funct (project r FA transpare USB (full-speed 12M Application: USB mouse	RS-422/485, 1ch : 115200/57600/38400/- nector shape: 14-pin (fer ommunication with con- system: 100BASE-TX, or shape: RJ-45 (modu mmunication with conr ion, connection to pers data read/write, OS ins int function, MES interf bps), host 1ch Conn	19200/9600/4800bps male) nected devices 10BASE-T, 1ch ılar jack) nected devices, onal computer tallation, ace function) sector shape: TYPE-A 3B memory data transfer	96004800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008AS-ETA, 108AS-ET, 106 Connector shape: Square, 42-pin (male) Application: Communication with connected devices, gateway function, connection to personal compute (project data readwire, OS enstallation, FA transparent function stage: 1028 full-geed 218/ps), text connected shape: 179EA Application: USB memory at shape: 179EA Application: USB memory at
Built-in interface	Ethernet	Transmission speed Conr Application: C Data transfer s Connect Application: Co gateway funct (project FA transpare USB (full-speed 12M Application: USB mouse and storage FAT16 l	RS-422/485, 1ch : 115200/57600/38400/ inector shape: 14-pin (fee ommunication with conresponding to the system: 100BASE-TX, for shape: RJ-45 (modi- mmunication with con- ion, connection to persidate read/write, OS insent function, MES interf the post 1ch Conne systems of the constant of the con- post 1ch Connection, US	19200/9600/4800bps male) nected devices 10BASE-T, 1ch ular jack) nected devices, onal computer stallation, ace function) nector shape: TYPE-A BB memory data transfer format: max. 32GB *13	9600/4800hps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008ASE-TX, 108ASE-T, 16 Connector shape: Square, 42-pin (male) Communication: connected devices, galleway function, connection to personal compute, (project data read-wire, DS Stallation, FA ransparent function USB (Nil-speed 13/Rps), host th Corner shape: TPE-A Application: USB energy in transferred straing FATHS towns max 2008/13
	Ethernet	Transmission speed Conr Application: Co Data transfer s Connect Application: Co gateway funct (project FA transpare USB (full-speed 12M Application: USB mouse and storage FAT16 I USB (full	RS-422/485, 1ch : 115200/57600/38400/- inector shape: 14-pin (fer ommunication with conr system: 100BASE-TX, tor shape: RJ-45 (mode ommunication with conr ion, connection to perso data read/write, OS insent function, MES interf bps), host 1ch Connection, US format: max. 2GB, FAT32 -speed 12Mbps), device Application: Connection:	19200/9600/4800bps male) nected devices 10BASE-T, 1ch ular jack) nected devices, onal computer stallation, ace function) sector shape: TYPE-A B memory data transfer format: max. 32GB*13 etch Connector shap to personal computer	9600/4800hps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008ASE-TX, 108ASE-T,
	Ethernet	Transmission speed Conr Application: C Data transfer s Connect Application: Co gateway funct (project FA transpare USB (full-speed 12M Application: USB mouse and storage FAT16 USB (full (project)	RS-422/485, 1ch : 115200/57600/38400/ : 115200/57600/38400/ : loctor shape: 14-pin (fee ommunication with consequence of the ommunication of the	19200/9600/4800bps male) nected devices 10BASE-T, 1ch ılar jack) nected devices, onal computer stallation, ace function) ector shape: TYPE-A B memory data transfer format: max. 32GB*13 e 1ch Connector shap to personal computer allation, FA transparent	9600/4800hps Goura, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008ASE-TX, 108ASE-T, 106ASE-T, 106ASE-T
	Ethernet	Transmission speed Conr Application: C Data transfer s Connect Application: Co gateway funct (project FA transpare USB (full-speed 12M Application: USB mouse and storage FAT16 I USB (full (project	RS-422/485, 1ch 115200/57600/38400/- 115200/57600/38400/- inector shape: 14-pin (fee ommunication with conr system: 100BASE-TX, tor shape: RJ-45 (modi mmunication with conr ion, connection to pers data read/write, OS ins int function, MES interf bps), host 1ch Conn s/keyboard connection, US format: max. 2GB, FAT32 -speed 12Mbps), device Application: Connection data read/write, OS inst mpact flash slot, 1ch	19200/9600/4800bps male) nected devices 10BASE-T, 1ch ular jack) nected devices, onal computer tallation, ace function) ector shape: TYPE-A SB memory data transfer format: max. 32GB *13 a 1ch Connector shap to personal computer allation, FA transparent Connector shape: TYPE	9600/4800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008ASE-TX, 108ASE-T, 106 Connector shape: Square, 42-pin (male) Application: Communication with connected devices, againestly function, Connection in personal compute (project date required, 106 realization: At an apparent function (project date required, 106 realization: At a required function stage: PTA-Application: 156 memory de tradelization: 156 FATE: bremm fram. 2008#13 Det: Mini-B function) E I
	Ethernet USB CF card	Transmission speed Conr Application: C Data transfer s Connect Application: Co gateway funct (project r FA transpare USB (full-speed 12M Application: USB mouse and storage FAT16 I USB (full (project r Con Application: Data transfer,	RS-422/485, 1ch : 115200/57600/38400/ : 115200/57600/38400/ : incetor shape: 14-pin (ferommunication with connector shape: RJ-45 (modumunication with connection to persodata read/write, OS institution, MES interfunction, M	19200/9600/4800bps male) nected devices 10BASE-T, 1ch nlar jack) nected devices, onal computer tallation, ace function) ector shape: TYPE-A B memory data transfer format: max. 32GB *13 e1ch Connector shap to personal computer allation, FA transparent Connector shape: TYPE AT16 format: max. 2GB, FA	9600/4800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008ASE-TX, 108ASE-T, 106 Connector shape: Square, 42-pin (male) Application: Communication with connected devices, gateway function, Connection to personal compute (project date read-wine, OS entablishor, FA transparent function tradition; FA transparent function Stage: PTA-Application: ISB enemy in traditionary FATTs forum: aux 2058**1 ET Mini-B function) ET
	Ethernet	Transmission speed Conr Application: C Data transfer s Connect Application: Co gateway funct (project r FA transpare USB (full-speed 12M Application: USB mouse and storage FAT16 I USB (full (project r Con Application: Data transfer,	RS-422/485, 1ch 115200/57600/38400/- 115200/57600/38400/- inector shape: 14-pin (fee ommunication with conr system: 100BASE-TX, tor shape: RJ-45 (modi mmunication with conr ion, connection to pers data read/write, OS ins int function, MES interf bps), host 1ch Conn s/keyboard connection, US format: max. 2GB, FAT32 -speed 12Mbps), device Application: Connection data read/write, OS inst mpact flash slot, 1ch	19200/9600/4800bps male) nected devices 10BASE-T, 1ch ular jack) nected devices, onal computer tallation, ace function) ector shape: TYPE-A SB memory data transfer format: max. 32GB *13 etch Connector shap to personal computer allation, FA transparent Connector shape: TYPE AT16 format: max. 2GB, FAI stallation	9600/4800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008ASE-TX, 108ASE-T, 106 Connector shape: Square, 42-pin (male) Application: Communication with connected devices, againestly function, Connection in personal compute (project date required, 106 realization: At an apparent function (project date required, 106 realization: At a required function stage: PTA-Application: 156 memory de tradelization: 156 FATE: bremm fram. 2008#13 Det: Mini-B function) E I
	Ethernet USB CF card	Transmission speed Conr Application: Co Data transfer s Connect Application: Co gateway funct (project FA transpare USB (full-speed 12M Application: USB mouse and storage FAT16 I USB (full (project Cor Application: Data transfer,	RS-422/485, 1ch : 115200/57600/38400/ : 115200/57600/38400/ : incetor shape: 14-pin (ferommunication with connector shape: RJ-45 (modumunication with connection to persodata read/write, OS institution, MES interfunction, M	19200/9600/4800bps male) meted devices 10BASE-T, 1ch ular jack) hected devices, onal computer stallation, ace function) elector shape: TYPE-A 3B memory data transfer format: max. 32GB*13 a 1ch Connector shap to personal computer allation, FA transparent Connector shape: TYPE 'AT16 format: max. 2GB, FA istallation 1ch for communication	9600/4800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008ASE-TX, 108ASE-T, 106 Connector shape: Square, 42-pin (male) Application: Communication with connected devices, againestly function, Connection in personal compute (project date required, 106 realization: At an apparent function (project date required, 106 realization: At a required function stage: PTA-Application: 156 memory de tradelization: 156 FATE: bremm fram. 2008#13 Det: Mini-B function) E I
interface	Ethernet USB CF card Optional function board Extension unit®7	Transmission speed Conr Application: Co Data transfer s Connect Application: Co gateway funct (project FA transpare USB (full-speed 12M Application: USB mouse and storage FAT16 I USB (full (project Cor Application: Data transfer,	RS-422/485, 1ch :115200/57600/38400/- interest shape: RJ-616 (fee ommunication with consequence of the ommunication of the o	19200/9600/4800bps male) meted devices 10BASE-T, 1ch lar jack) nected devices, onal computer tallation, ace function) meters hape: TYPE-A BB memory data transfer format: max. 32GB *13 a1ch Connector shap to personal computer allation, FA transparent Connector shape: TYPE AT16 format: max. 2GB, FA istallation 1 th for communication unit/optional unit installation	9600/4800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008ASE-TX, 108ASE-T, 106 Connector shape: Square, 42-pin (male) Application: Communication with connected devices, againestly function, Connection in personal compute (project date required, 106 realization: At an apparent function (project date required, 106 realization: At a required function stage: PTA-Application: 156 memory de tradelization: 155 FATE: bremm fram. 2008#13 Det: Mini-B function) E I
interface	Ethernet USB CF card Optional function board Extension unit®7	Transmission speed Conr Application: Co Data transfer s Connect Application: Co gateway funct (project FA transpare USB (full-speed 12M Application: USB mouse and storage FAT16 I USB (full (project Cor Application: Data transfer,	RS-422/485, 1ch 115200/57600/38400/ 115200/57600/38400/ 1000 to the control of the communication with control of the communication with control of the contr	19200/9600/4800bps male) meted devices 10BASE-T, 1ch lar jack) nected devices, onal computer tallation, ace function) meters hape: TYPE-A BB memory data transfer format: max. 32GB *13 a1ch Connector shap to personal computer allation, FA transparent Connector shape: TYPE AT16 format: max. 2GB, FA istallation 1 th for communication unit/optional unit installation	96004800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008AS-TX, 1008AS-T
Buzzer o	Ethernet USB CF card Optional function board Extension unit®7	Transmission speed Conr Application: Co Data transfer s Connect Application: Co gateway funct (project r FA transpare USB (full-speed 12M Application: USB mouse and storage FAT16 l USB (full (project r Cor Application: Data transfer, 1ch for o 2ch for communication ur	RS-422/485, 1ch :115200/57600/38400/- interest shape: RJ-616 (fee ommunication with consequence of the ommunication of the o	19200/9600/4800bps male) meted devices 10BASE-T, 1ch lar jack) nected devices, onal computer tallation, ace function) ector shape: TYPE-A 3B memory data transfer format: max. 32GB *13 e1ch Connector shap to personal computer allation, FA transparent Connector shape: TYPE AT16 format: max. 2GB, FA istallation 1ch for communication unit/optional unit installation length adjustable)	96004800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008A5-TX, 1008A5-TX
Buzzer o	Ethernet USB CF card Optional function board Extension unit*7 utput e construction	Transmission speed Conr Application: Co Data transfer s Connect Application: Co gateway funct (project r FA transpare USB (full-speed 12M Application: USB mouse and storage FAT16 l USB (full (project r Cor Application: Data transfer, 1ch for o 2ch for communication ur	RS-422/485, 1ch : 115200/57600/38400/ : 115200/57600/38400/ : loctor shape: 14-pin (fee ommunication with conr system: 100BASE-TX, tor shape: RJ-45 (modi munication with conr ion, connection to pers data read/write, OS ins int function, MES interf bps), host 1ch Conn s/keyboard connection, US format: max. 2GB, FAT32 -speed 12Mbps), device Application: Connection data read/write, OS inst impact flash slot, 1ch data storage, GOT startup F ptional function board in it/optional unit installation Single tone (tone int: IP67f © In panel: I	19200/9600/4800bps male) meted devices 10BASE-T, 1ch ular jack) hected devices, onal computer stallation, ace function) elector shape: TYPE-A 3B memory data transfer format: max. 32GB*13 a 1ch Connector shap to personal computer allation, FA transparent Connector shape: TYPE AT16 format: max. 2GB, FA isstallation 1ch for communication unitioptional unit installation length adjustable)	96004800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008ASE-TX, 108ASE-T, 106 Connector shape: Square, 42-pin (male) Communication connected devices, galleway function connection to personal compute (project date readwire, 02-pin (male) 1028 (hil-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly function 1028 (hil-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (hil-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect 1028 (mill-speed 13/lbps), host
Buzzer o Protectiv External	Ethernet USB CF card Optional function board Extension unit*7 utput e construction dimensions	Transmission speed Conr Application: Co Data transfer s Connect Application: Co gateway funct (project FA transpare USB (full-speed 12M Application: USB mouse and storage FAT16 I USB (full (project Cor Application: Data transfer, 1ch for o 2ch for communication ur Froi 241(W) × 190(ii	RS-422/485, 1ch 115200/57600/38400/- 115200/57600/38400/- inector shape: 14-pin (fee ommunication with conr system: 100BASE-TX, tor shape: RJ-45 (modi mmunication with conr ion, connection to pers data read/write, OS ins int function, MES interf bps), host 1ch Conn s/keyboard connection, US format: max. 2GB, FAT32 -speed 12Mbps), device Application: Connection data read/write, OS inst mpact flash slot, 1ch data storage, GOT startup F ptional function board ir nit/optional unit installation Single tone (tone int: IP67f 6 In panel: I H) × 52(D)[mm]	19200/9600/4800bps male) material devices 10BASE-T, 1ch ular jack) nected devices, onal computer tallation, ace function) ector shape: TYPE-A 3B memory data transfer format: max. 32GB *13 a1ch Connector shap: TYPE a1tallation, FA transparent Connector shape: TYPE A116 format: max. 2GB, FA istallation 1ch for communication unitloptional unit installation length adjustable) P2X 267(W) × 135(H) × 60(D)[mm]	96004800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008ASE-TX, 108ASE-T, 106 Connector shape: Square, 42-pin (male) Communication connected devices, galleway function connection to personal compute (project date readwire, 02-pin (male) 1028 (hil-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly function 1028 (hil-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (hil-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect shape: 17E-A Application 128 melly shape 1028 (mill-speed 13/lbps), host 1th Cornect 1028 (mill-speed 13/lbps), host
Buzzer o Protectiv External Panel cu	Ethernet USB CF card Optional function board Extension unit*7 utput e construction	Transmission speed Conr Application: Co Data transfer s Connect Application: Co gateway funct (project FA transpare USB (full-speed 12M Application: USB mouse and storage FAT16 I USB (full (project Cor Application: Data transfer, 1ch for o 2ch for communication ur Froi 241(W) × 190(ii	RS-422/485, 1ch : 115200/57600/38400/ : 115200/57600/38400/ : loctor shape: 14-pin (fee ommunication with conr system: 100BASE-TX, tor shape: RJ-45 (modi munication with conr ion, connection to pers data read/write, OS ins int function, MES interf bps), host 1ch Conn s/keyboard connection, US format: max. 2GB, FAT32 -speed 12Mbps), device Application: Connection data read/write, OS inst impact flash slot, 1ch data storage, GOT startup F ptional function board in it/optional unit installation Single tone (tone int: IP67f © In panel: I	19200/9600/4800bps male) meted devices 10BASE-T, 1ch ular jack) hected devices, onal computer stallation, ace function) elector shape: TYPE-A 3B memory data transfer format: max. 32GB*13 a 1ch Connector shap to personal computer allation, FA transparent Connector shape: TYPE AT16 format: max. 2GB, FA isstallation 1ch for communication unitioptional unit installation length adjustable)	9600/4800hps Connector shape: Square, 42-pin (male) Application: Communication with connected devices Data transfer system: 1008A95-17, 1

Component names



- *1 : On LCD screens, bright dots (permanently lit) and black dots (not to be lit) generally appear. Because the large number of display elements exist on an LCD screen, it is not possible to reduce appearance of the bright and black dots to zero.

 Note that the existence of bright and black dots is a standard characteristic of LCD screens, and it does not mean that the products are defective or damaged.

 2: LCD panels have characteristics of tone reversal. Note that even within the indicated view angles, the screen display may not be clear enough depending on the display color.

 3: Using the GOT screen savelbacklight OFF functions prevents screen burn-in and extends backlight life.

 4: An analog resistive touch display is used. When 2 points on the screen are touched simultaneously, if a switch is located the middle of the 2 points then the switch will be activated. Therefore, avoid touching 2 points on the screen simultaneously.

 5: The memory is ROM that permits overwriting of new data without having to delete the existing data.

 6: With the USB environmentally protective cover is on, pressing limitly the portion marked "∆" makes it conform to IP671. (The USB interface conforms to IP2X when a USB cable or a USB memory is connected.) However, this does not quarantee protection in all users' environments. The unit may not be used in an environment where it is exposed to splashing oil or chemicals for a long time or it is soaked with oil mist.

 57: Where more than one extension unit, barcode reader, and RFID controller are used, the sum of their current consumptions should be within the current level which the GOT can supply. For the currents which the extension units, barcode reader, and RFID controller consume and the current level which the GOT can supply, see "Notes for use" (page 81).

 89: The function version A of GT1695/GT1685 is not compatible with 108ASE-T.

 90: The degree of protection is not quaranteed under all users' environmental conditions. If the interface protective cover or the rear face prote

GT15

General specifications

Iter				Specif					
Operating ambient	Display			0°C to	50°C				
temperature*1	Other than display			0°C to	55°C				
Storage ambien	t temperature			-20°C t	to 60°C				
Operating ambie	ent humidity*2			10 to 90%RH, r	no condensation				
Storage ambien	t humidity*2	10 to 90%RH, no condensation							
				Frequency	Acceleration	Half amplitude	Sweep count		
		to IIS B 3502 1	Under intermittent	5 to 8.4Hz	-	3.5mm	10 times each in X,		
Vibration resistance*3		and S B 3502	vibration	8.4 to 150Hz	9.8m/s ²	_	Y and Z directions		
		IEC 61131-2	Under continuous	5 to 8.4Hz	_	1.75mm			
		.20 00. 2	vibration	8.4 to 150Hz	4.9m/s ²	-			
Impact resistance	ce	Conforming	to JIS B 3502 and	IEC 61131-2 (1	47m/s ² , 3 times	each in X, Y ar	d Z directions)		
O		No oily smoke, corrosive gas or combustible gas, less conductive dust,							
Operating atmo	spriere		away fro	om direct sunlig	ht (the same in	storage)			
Operating altitud	de*4			2000m	or less				
Installation local	tion			In contr	ol panel				
Overvoltage cat	egory*5			Ⅱ or l	lower				
Contamination I	evel*6	2 or less							
Cooling method				Self-c	ooling				
Grounding		Ty	pe D grounding (1	00Ω or less). C	Connect to pane	l if unable to gro	und.		

- *1 : The maximum operating ambient temperature should be 5°C lower than that shown in the table on the left when connecting to a MELSECNET/H communication unit (GT15-J511P23-25 or GT15-J71P313) or CC-Link communication unit (GT15-J518T13).

 *2 : Water bulb temperature for STN display type must be 39°C or lower.

 *3 : Refer to the Communication Unit User's Manual for vibration resistance specifications when using the MELSECNET/10 communication unit (GT15-75J71B17-23-Z or GT15-75J71B1-32-Z) or CC-Link communication unit (GT15-75J61BT13-2). (The specifications of communication units are different from those of the GOT main unit.)

 *4 · Do not operate or store the GOT unit in pressurized environments where the pressure exceeds 0m elevation atmospheric pressure, as this could result in abnormal operation.

 Do not pressurize inside the control panel for air purge cleaning. The pressure could raise the surface sheet, making the touch panel difficult to operate or causing the sheet to come off.

 *5 : Assuming that the device is connected at some point between a public power distribution network and local system equipment.

 Category II applies to device is connected at some point between a public power distribution network and local system equipment.

 The surge withstand voltage is 2.500V for devices with ratings up to 300V.

 *6 : Index that indicates the level of foreign conductive matter in the operating environment of the device.

 Contamination level 2 denotes an environment contaminated only by non-conductive matter which may, under certain conditions, become temporarily conductive due to condensation.

Do not use or store the GOT under direct sun light or in an environment with excessively high temperature, dust, humidity or vibration.

For inquiries relating to products which conform to UL, cUL, and CE directives and shipping directives, please contact your local sales office.

Performance specifications

		•	Specification							
	Item	GT1595-XTBA GT1595-XTBD	GT1585V-STBA GT1585V-STBD GT1585-STBA GT1585-STBD	GT1575V-STBA GT1575V-STBD GT1575-STBA GT1575-STBD	GT1575-VTBA GT1575-VTBD	GT1575-VNBA GT1575-VNBD	GT1572-VNBA GT1572-VNBD	GT1565-VTBA GT1565-VTBD	GT1562-VNBA GT1562-VNBD	
	Туре	TFT	Γ color LCD (high-bright	tness, wide viewing ar	ngle)	TFT col	lor LCD	TFT color LCD (high-brightness,	TFT color LCD	
	Screen size	15"	12.1"		10	<u> </u>		wide viewing angle)	/*	
	Resolution	XGA: 1024 × 768 [dots]	SVGA: 800	v 600 [dots]	10		VGA: 640 × 480 [dots]	8.4"		
	Display size		246(W) × 184.5(H) [mm]	7, 000 [0010]	211(W) × 1		varia o to x too [aoto]	171(W) × 1	28(H) [mm]	
	No. of displayed characters	16-dot standard font: 64 chars. × 48 lines (2-byte) 12-dot standard font: 85 chars. × 64 lines (2-byte)	16-dot star 50 chars. × 37 12-dot star 66 chars. × 50	lines (2-byte) dard font:		16-dot standard font: 40 chars. × 30 lines (2-byte) 12-dot standard font: 53 chars. × 40 lines (2-byte)				
	Display colors		65,536	colors		256 colors	16 colors	65,536 colors	16 colors	
Display *1	View angle*3	Right/left: 75°, Up: 50°, Down: 60°	GT1585V Right/left: 60°, Up: 40°, Down: 50° GT1585 Right/left: 65°, Up: 45°, Down: 55°	Right/left/ 8	/up/down: 5°	Right/le Up: 3 Dowr	30°,	Right/left: 65°, Up: 50°, Down: 60°	Right/left: 45°, Up: 20°, Down: 20°	
	Contrast adjustment				-	-				
	Intensity	450 [cd/m ²]	GT1585V: 350 [cd/m ²] GT1585: 400 [cd/m ²]	400 [cd/m ²]	380 [cd/m ²]	200 [c		380 [cd/m ²]	150 [cd/m ²]	
	Intensity adjustment		8-step ac	ljustment		4-step ad	ljustment	8-step adjustment	4-step adjustment	
	Approx. 52,000 hours (operating ambient temperature: 25°C) Approx. 50,000 hours (operating ambient temperature: 25°C) (operating ambient temperature: 25°C)					e: 25°C)				
Backligh	t	Cold-cathode fluorescent tube (replaceable), with backlight OFF detection function. Backlight off time and screen save time can be set.								
	Life*4	Approx. 50,000	0 hours or more			Approx. 40,000) hours or more			
	Lile			(Time for display in	ntensity reaches 50% a	t operating ambient ter	mperature of 25°C)			
	Type No. of touch keys	Analog resistive type -	1900 keys/screen (38	3 lines × 50 columns)	Matrix res	istive type 1200 kevs	/screen (30 lines × 40	columns)		
Touch	Key size	Min. 2 × 2 [dots] (per key)	Min. 16 x (per key) (16 x 8 onl	16 [dots]		Min. 16 × 16 [dots] (per key)				
panel *9	No. of simultaneous touch points	Simultaneous touch prohibited*5 (1 point only)		Max. 2 points						
	Life	, , , , ,		1,000,	000 times or more (ope	erating force 0.98N or le	ess)*10			
	Detection distance	1	[m]			-	-			
Human	Detection range	Right/left/u	p/down: 70°		-					
Human	Detection delay time	0 to 4	l [sec]				-			
	Detection temperature		nce to be 4°C or more ody and ambient air			-	-			
Memory *6	C drive		9MB built-in f (for saving proje			5MB built-in f (for saving proje		9MB built-in flash memory (for saving project data and OS)	5MB built-in flash memory (for saving projectdata and OS)	
	Life (No. of writings)				100,00	0 times				
					GT15-BAT type lithiu	um battery (optional)				
Battery	Backed up data				ock data and maintena					
	RS-232*8	_		RS-232, 1ch T	ox. 5 years (operating ransmission speed: 11: Connector shape:	5200/57600/38400/192 D-sub 9-pin (male)	00/9600/4800bps			
Built-in	USB		tion: Communication wi		USB (full-speed 12	Mbps), device 1ch				
interface			Connector shape: Mini-							
	CF card	Compact flash	slot, 1ch Connector	r shape: TYPE I Ap	plication: Data transfer		artup FAT16 format:	max. 2GB, FAT32 form	nat: not usable	
	Optional function board				1ch for optional funct					
Div	Extension unit*8			2cl	h for communication ur		non			
Buzzer					Single tone (tone					
	ve construction				Front: IP67f*7	ın paneı: IP2X		I		
(without	dimensions USB port cover)		316(W) × 242(H) × 52(D) [mm]		303(W) × 214(H			241(W) × 190(I		
	it dimensions	383.5(W) × 282.5(H) [mm]	302(W) × 228(H) [mm]		289(W) × 2	00(H) [mm]		227(W) × 1	76(H) [mm]	
Weight (excl. mo	ounting brackets)	5.0 [kg]	2.8 [kg]	GT1575V: 2.3 [kg] GT1575: 2.4 [kg]	2.4 [kg]	2.3	[kg]	1.9	[kg]	

GT Works3 Version1.31H or later

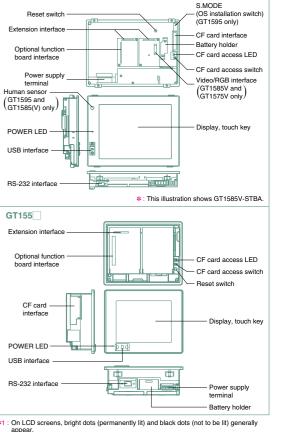
Power supply specifications

					Specif	ication					
Item	GT1595-XTBA	GT1585V-STBA GT1585-STBA	GT1575V-STBA GT1575-STBA GT1575-VTBA GT1575-VNBA GT1572-VNBA GT1565-VTBA GT1562-VNBA	GT1595-XTBD	GT1585V-STBD GT1585-STBD	GT1575V-STBD GT1575-STBD GT1575-VTBD GT1575-VNBD GT1572-VNBD GT1565-VTBD GT1562-VNBD	GT1555-VTBD	GT1555-QTBD	GT1555-QSBD	GT1550-QLBD	
Input power supply voltage	100 to 240VAC (+10%, -15%)				24VDC (+25%, -20%)						
Input frequency	50/60Hz ±5%						-				
Input maximum apparent power	1	10VA (at max. load	i)				-				
Power consumption	56W or less	41W or less	39W or less	57W or less (2380mA/24VDC)	43W or less (1790mA/24VDC)	41W or less (1710mA/24VDC)	19W or less (790mA/24VDC)	18W or less (750mA/24VDC)	17W or less (710mA/24VDC)	15W or less (620mA/24VDC	
With backlight off	30W or less	28W or less	28W or less	32W or less (1330mA/24VDC)	30W or less (1250mA/24VDC)	30W or less (1250mA/24VDC)	14W or less (580mA/24VDC)	13W or less (540mA/24VDC)			
Inrush current	50A or less (4ms, at max. load)	45A or less (4ms, at max. load)	40A or less (4ms, at max. load)	100A or less (4ms, at max. load)	115A or less (1ms, at max. load)	115A or less (1ms, at max. load)	67A or less (1ms, at max. load)		60A or less (1ms, at max. load))	
Permissible instantaneous failure time	Within	20ms (100VAC or	more)	Within 10ms							
Noise resistance		age 1500Vp-p, noise tor with noise frequ		Noise voltage 500Vp-p, noise width 1µs by noise simulator with noise frequency 25 to 60Hz							
Withstand voltage		500VAC for 1 minu wer supply terminal	-	500VDC for 1 minute between power supply terminal and ground							
Insulation resistance			10MΩ or highe	r with an insulation	resistance tester	500VDC between	power supply term	inal and ground)			
Applicable wire size					0.75 to	2 [mm ²]					
Clamp terminal				Clamp terminals	for M3 screw RAV	/1.25-3, V2-S3.3, V	/2-N3A, FV2-N3A				
Tightening torque (terminal block's terminal screws)		-			0.5 to 0).8 [N·m]	-				

Performance specifications

	Item	GT1555-VTBD	Specif GT1555-QTBD	ication GT1555-QSBD	GT1550-QLBD	GT1595/GT1585/GT157_/GT156_
	Туре	TFT co	lor LCD vide viewing angle)	STN color LCD	STN monochrome (black/white) LCD	Reset switch —
	Screen size	(riigir brigitatess, v		.7"	(black write) Lob	Extension interface
	Resolution	VGA: 640 × 480 [dots]		QVGA: 320 × 240 [dot	sl	
	Display size		115(W) × 8	-1	Optional function —	
Display	No. of displayed characters				board interface Power supply terminal Human sensor (GT1595 and	
*1 *2	Display colors	65,536	colors	4,096 colors	Monochrome 16 gray scale	\GT1585(V) only
	View angle*3	Right/left: 80°, Up: 80°, Down: 70°	Right/left: 70°, Up: 70°, Down: 50°	POWER LED —		
	Contrast adjustment		_	16-step	adjustment	USB interface
	Intensity	350 [cd/m ²]	400 [cd/m ²]	380 [cd/m ²]	220 [cd/m ²]	
	Intensity adjustment		8-step a	djustment		E
	Life),000 hours temperature: 25°C)		RS-232 interface
Backligh	nt		cent tube (not replace			GT155
	Life*4	Арр	rox. 75,000 hours or n	nore	Approx. 58,000 hours or more	5 martin (m.
	Lile	(Time for display in	ntensity reaches 50% a	at operating ambient te	emperature of 25°C)	Extension interface
	Туре		Matrix res	sistive type		
	No. of touch keys	1200 keys/screen (30 lines × 40 columns)		300 keys/screen (15 lines × 20 columns	s)	Optional function board interface
Touch panel	Key size			16 [dots] key)		
* 9	No. of simultaneous touch points		Max. 2	CF card ————————————————————————————————————		
	Life	1,000	0,000 times or more (o	perating force 0.98N o	r less)	
	Detection distance			-		
Human	Detection range					POWER LED
sensor	Detection delay time			-		USB interface
	Detection temperature			-		T m
Memory	C drive			flash memory ect data and OS)		RS-232 interface
* 6	Life (No. of writings)			0 times		
	1 === (=== ===========================			um battery (optional)		*1 : On LCD screens, bright dots (permanently lit)
Battery	Backed up data	Cl	ock data and maintena	ance time notification of	lata	appear.
	Life	Appr	ox. 5 years (operating	ambient temperature:	25°C)	Because the large number of display elements possible to reduce appearance of the bright ar
	RS-232*8	Application: Commu	ransmission speed: 11 Connector shape: nication with connecte lata read/write, OS inst	D-sub 9-pin (male) d devices, connection	to personal computer	Note that the existence of bright and black dot screens, and it does not mean that the produc \$2: Flickering may occur depending on the display \$5: LC panels have characteristics of tone reverse angles, the screen display may not be clear er
Built-in interface	USB		speed 12Mbps), device Application: Connectio ata read/write, OS inst	n to personal compute	er	 44: Using the GOT screen save/backlight OFF fur extends the backlight life. 5: An analog resistive touch display is used. Whe simultaneously, if a switch is located the middle
	CF card		mpact flash slot, 1ch data storage, GOT startup		YPE I iB, FAT32 format: not usable	activated. Therefore, avoid touching 2 points of *6: The memory is ROM that permits overwriting a existing data.
	Optional function board			tion board installation		*7 : IP67f is supported when the USB environment
	Extension unit*8	1ch	n for communication ur		ation	interface conforms to IP2X when a USB cable guarantee protection in all users' environment
Buzzer				length adjustable)		The unit may not be used in an environment v chemicals for a long time or it is soaked with or
	ve construction		Front: IP67t*/	In panel: IP2X		*8 : Where more than one extension unit, barcode
(without	dimensions USB port cover)			H) × 60(D) [mm]		the sum of their current consumptions should GOT can supply. For the currents which the e RFID controller consume and the current leve
	ut dimensions		153(W) × 1	21(H) [mm]		see "Notes for use" (page 81).
`	ounting brackets)			[kg]		 *9: If necessary, use a stylus pen meeting the foll Material: Polyacetal resin • Pen point radius *10: When using a stylus pen with GT1595-XTB□,
Applicable	e software package		GT Works3 Vers	sion1.31H or later		(operating force 0.98N max.). Since the touch structurally, it may not be used even fewer that

Component names



- B1: On LCD screens, bright dots (permanently lit) and black dots (not to be lit) generally appear.

 Because the large number of display elements exist on an LCD screen, it is not possible to reduce appearance of the bright and black dots to zero.

 Note that the existence of bright and black dots is a standard characteristic of LCD screens, and it does not mean that the products are defective or damaged.

 22: Flickering may occur depending on the display colors.

 33: LC panels have characteristics of tone reversal. Note that even within the indicated view angles, the screen display may not be clear enough depending on the display colors.

 34: Using the GOT screen save/backlight OFF functions prevents screen burn-in and extends the backlight life.

 54: An analog resistive touch display is used. When 2 points on the screen are touched simultaneously, if a switch is located the middle of the 2 points then the switch will be activated. Therefore, avoid touching 2 points on the screen simultaneously.

 56: The memory is ROM that permits overwriting of new data without having to delete the existing data.

 57: IP67f is supported when the USB environmentally protective cover is on. (The USB interface conforms to IP2X when a USB cable is connected.) However, this does not guarantee protection in all users' environments.

 The unit may not be used in an environment where it is exposed to splashing oil or chemicals for a long time or it is soaked with oil mist.

 88: Where more than one extension unit, barcode reader, and RFID controller are used, the sum of their current consumptions should be within the current level which the GOT can supply, see "Notes for use" (page 81).

 9: If necessary, use a stylus pen meeting the following specifications.

 9: Notes for use" (page 81).

 9: If necessary, use a stylus pen meeting the following specifications.

 9: Notes for use" (page 81).

 10: When using a stylus pen with GT1555-XTBI_I with I be 100,000 times or more (operating force 0.98N max.). Since the touch panel is a consumable pro

GT12

General specifications

	- p								
Iten				Specif	ication				
Operating ambient	Display			0°C to	50°C				
temperature	Other than display			0°C to	55°C				
Storage ambien	t temperature	-20°C to 60°C							
Operating ambie	ent humidity			10 to 90%RH, r	o condensation				
Storage ambien	t humidity			10 to 90%RH, r	o condensation	ı			
				Frequency	Acceleration	Half amplitude	Sweep count		
		and IEC 61131-2	Under intermittent vibration	5 to 8.4Hz	_	3.5mm	10 times each in X,		
Vibration resista	nce			8.4 to 150Hz	9.8m/s ²	_	Y and Z directions		
			Under continuous vibration	5 to 8.4Hz	_	1.75mm	_		
				8.4 to 150Hz	4.9m/s ²	_	_		
Impact resistance	е	Conforming	to JIS B 3502 and	IEC 61131-2 (1	47m/s ² , 3 times	each in X, Y an	d Z directions)		
Operating atmos	sphere	No oily smoke, c	orrosive gas or combus	stible gas, less cond	luctive dust, away fr	om direct sunlight (t	he same in storage)		
Operating altitud	de <mark>*1</mark>			2,000m	or lower				
Installation locat	tion			In contr	ol panel				
Overvoltage cat	egory*2			Ⅱ or I	ower				
Contamination I	evel*3			2 or	less				
Cooling method				Self-c	ooling				
Grounding		Ty	pe D grounding (1	100Ω or less). C	Connect to pane	I if unable to gro	und.		

- *1: Do not operate or store the GOT unit in pressurized environments where the pressure exceeds 0 m elevation atmospheric pressure, as this could result in abnormal operation.
 Do not pressurize inside the control panel for air purge cleaning. The pressure could raise the surface sheet, making the touch panel difficult to operate or causing the sheet to come off.
 *2: Assuming that the device is connected at some point between a public power distribution network and local system equipment. Category [] applies to devices that are supplied with power from fixed equipment. The surge withstand voltage is 2,500V for devices with ratings up to 300V.
- 300V.
 Index that indicates the level of foreign conductive matter in the operating environment of the device. Contamination level 2 denotes an environment contaminated only by non-conductive matter which may, under certain conditions, become temporarily conductive due to condensation.

Do not use or store the GOT under direct sun light or in an environment with excessively high temperature, dust, humidity or vibration.
For inquiries relating to products which conform to UL, cUL, and CE

Performance specifications

		Specifi	cation								
	Item	GT1275-VNBA	GT1265-VNBA								
		GT1275-VNBD	GT1265-VNBD								
	Type	TFT col									
	Screen size	10.4"	8.4"								
ı	Resolution	VGA: 640 ×	480 [dots]								
	Display size	211.2(W) × 158.4(H) [mm]	170.9(W) × 128.2(H) [mm]								
Ī	No. of displayed	16-dot standard font: 40 d	chars. × 30 lines (2-byte)								
isplay	characters	12-dot standard font: 53 of	hars. × 40 lines (2-byte)								
. [Display colors	256 c	olors								
	View angle*2	Right/left: 45°,	Up/down: 20°								
	Intensity	200 [c	d/m ²]								
	Intensity adjustment	4-step ad	justment								
	Life	Approx. 52,000 hours (operating	Approx. 52,000 hours (operating ambient temperature: 25°C)								
acklight	t	Cold-cathode fluorescent tub	e (replaceable), 1CCFL light								
	Life*3	50,000 hours or more (at standard lamp current = 6.0 [mA])	40,000 hours or more (at standard lamp current = 7.0 [mA])								
	Life	(Time for display intensity reaches 50% at	t operating ambient temperature of 25°C)								
	Туре	Analog res	istive type								
	Key size	Min. 2 x 2 [dots] (per key)									
ouch anel	No. of simultaneous	Simultaneous touch proh	ibited*4 (1 point only)								
7	touch points	Simultaneous touch pron	ibited (1 point only)								
	Life*8	1,000,000 times or more (op	erating force 0.98N or less)								
	Detection distance	-	•								
sensor	Detection range	<u> </u>	•								
	Detection delay time	<u> </u>	•								
	Detection temperature	-	•								
	C drive	6MB built-in flash memory (for	0. 7								
5	Life (No. of writings)	100,000									
ŕ		GT11-50BAT type lithium battery (optional)									
attery	Backed up data	Clock data, alarm history, and recipe data									
	Life	Approx. 5 years (operating a	•								
	RS-232*6	RS-232, 1ch Transmission speed: 115									
	HS-232**	Connector shape: D-sub 9-pin (male) Application: Communication with connected devices, connection to personal computer (project data read/write, OS installation, FA transparent function)									
ŀ											
	RS-422/485	RS-422/485, 1ch Transmission speed: 1 Connector shape: D	15200/57600/38400/19200/9600/4800bps								
	NO-422/400	Application: Communication									
uilt-in		Data transfer system: 100BASE-TX, 1ch	Connector change D I 45 (modular icely)								
nterface	Ethernet	Application: Communication with connected devices, connection to pers									
ŀ		USB (Full Speed 12 Mbps), device									
	USB	Application: Connection to personal computer (project d									
ŀ	CF card	Compact flash slot, 1ch Connector shape: TYPE I Application: Data transfer,	data storage, GOT startup FAT16 format: max. 2GB, FAT32 format: not usable								
	Optional function board										
	Extension unit*6	-									
uzzer o		Single tone (tone I	ength adjustable)								
	e construction	IP6									
	dimensions	303(W) × 214(H) × 53(D)	241(W) × 190(H) × 58(D)								
	t dimensions	289(W) × 200(H) [mm]	227(W) × 176(H) [mm]								
$\overline{}$		0.0 [[]	4.7.01								
Veight (exc	cl. mounting brackets)	2.3 [kg]	1.7 [kg]								

- *1: On LCD screens, bright dots (permanently lit) and black dots (not to be lit) generally appear. Because the large number of display elements exist on an LCD screen, it is not possible to reduce appearance of the bright and black dots to zero. Note that the existence of bright and black dots is a standard characteristic of LCD screens, and it does not mean that the products are defective or damaged.

 *2: LCD panels have characteristics of tone reversal. Note that even within the indicated view angles, the screen display may not be clear enough depending on the display color.

 *3: Using the GOT screens asverbacklight OFF functions prevents screen burn-in and extends the backlight life.

 *4: An analog resistive touch display is used. When 2 points on the screen are touched simultaneously, if a switch is located the middle of the 2 points then the switch will be activated. Therefore, avoid touching 2 points on the screen simultaneously.

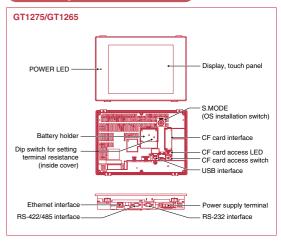
- 341 : An analog resistive touch display is used. When 2 points on the screen are touched simultaneously, if a switch is located the middle of the 2 points then the switch will be activated. Ther screen simultaneously.
 \$5 : The memory is a ROM that permits overwriting of new data without having to delete the existing data.
 \$6 : Where more than one extension unit, barcode reader, and RFID controller are used, the sum of their current consumptions should be within the current level which the GOT can supply. For the currents which the extension units, barcode reader, and RFID controller consume and the current level which the GOT can supply, see "Notes for use" (page 81).
 \$7 : If necessary, use a stylus pen meeting the following specifications.
 Material: Polyacetal resin * Pen point radius: 0.8mm or more
 \$8 : When using a stylus pen; nit will be 100,000 times or more (operating force 0.98N max.).
 Since the touch panel is a consumable product structurally, it may not be used even fewer than above, depending on the usage method and environment.

Power supply specifications

lite our	Specif	ication		
Item	GT1265/75-VNBA	GT1265/75-VNBD		
Input power supply voltage	100 to 240VAC (+10%, -15%)	24VDC (+25%, -20%)		
Input frequency	50/60Hz ±5%	_		
Input maximum apparent power	44VA (at max. load)	-		
Power consumption	18W or less	11W or less		
With backlight off	15W or less	6W or less		
Inrush current	40A or less (4ms, at max. load)	29A or less (2ms, at max. load)		
Permissible instantaneous failure time	Within 20ms (100VAC or more)	Within 10ms		
Noise resistance	Noise voltage 1500Vp-p, noise width 1µs by noise simulator with noise frequency 25 to 60Hz	Noise voltage 500Vp-p, noise width 1μs by noise simulator with noise frequency 25 to 60Hz		
Withstand voltage*1	1500VAC for 1 minute between power supply terminal and ground	500VDC for 1 minute between power supply terminal and ground		
Insulation resistance*1	10MΩ or higher with an insulation resistance tester (500VDC between power supply terminal and ground)		
Applicable wire size	0.75 to	2 [mm ²]		
Clamp terminal	Clamp terminals for M3 screw RAV	1.25-3, V2-S3.3, V2-N3A, FV2-N3A		
Tightening torque (terminal block's terminal screws)	0.5 to 0	.8 [N·m]		

*1: In DC type products, the surge absorber is connected between the power supply and the ground to avoid a malfunction due to noise caused by the application of lightning surge.

The values of the dielectric withstand voltage and insulation resistance are recorded when the surge absorber is not



Component names

MELSEC Proc

57

56

iQ Platform

GT11 GT10

General specifications

Iten				Specif	ication					
Operating ambient	Display			0°C to	50°C*5					
temperature	Other than display		0°C to 55°C (horiz	ontal installation)	, 0°C to 50°C (ve	rtical installation)*	k 5			
Storage ambient	emperature	-20°C to 60°C								
Operating ambient humidity*1		10 to 90%RH, no condensation								
Storage ambient I	numidity*1	10 to 90%RH, no condensation								
Vibration resistance				Frequency	Acceleration	Half amplitude	Sweep count			
		Conforming	Under intermittent	5 to 8.4Hz	-	3.5mm	10 times each in X			
		to JIS B 3502 vibration	8.4 to 150Hz	9.8m/s ²	-	Y and Z directions				
		IEC 61131-2 Under continuous		5 to 8.4Hz	-	1.75mm				
			vibration	8.4 to 150Hz	4.9m/s ²	-	7 -			
Impact resistance		Conforming to JIS B 3502 and IEC 61131-2 (147m/s², 3 times each in X, Y and Z directions)								
Operating atmosp	here	Free from oil mist, or	orrosive gases, flammable g	ases and excessive co	nductive dusts or direc	t sun beams (The same	applies to unit storag			
Operating altitude	*2			2000m	or less					
Installation location	n			In contro	l panel*6					
Overvoltage cate	gory*3			II or I	ower					
Contamination lev	rel*4			2 or	less					
Cooling method				Self-co	ooling					
Grounding			Type D grounding (100Ω or less). Co	onnect to panel if	unable to ground	*7			

- *1 : Water bulb temperature for STN display type must be 39°C or lower. *2 : Do not operate or store the GOT unit in pressurized environments where the pressure exceeds 0m elevation atmospheric pressure, as this could result in abnormal operation.
- fixed equipment. The surge withstand voltage is 2500V for devices with ratings up to 300V.

 44: Index that indicates the level of foreign conductive matter in the
- operating environment of the device. Contamination level 2 denotes contamination by non-conductive matter only, though momentary conductivity may occur due to occasional
- condensation.

 *5: 0 to 40°C for GT115

 HS
- *6 : Excluding GT115_HS *7 : The 5VDC type requires no grounding.

Do not use or store the GOT under direct sun light or in an environment with excessively high temperature, dust, humidity or vibration.

For inquiries relating to products which conform to UL, cUL, and $\ensuremath{\mathsf{CE}}$ directives and shipping directives, please contact your local sales office.

Performance specifications

Type Scre Resc Dispi	ltem				Specif	ication							
Type Scre Resc Dispi			I										
Scre Resc Disp No. of	ре	GT1155-QTBD	GT1155-QSBD	GT1150-QLBD	GT1155-QTBDQ GT1155-QTBDA	GT1155-QSBDQ GT1155-QSBDA	GT1150-QLBDQ GT1150-QLBDA	GT1155HS-QSBD	GT1150HS-QLBD				
Displ No. of		TFT color LCD	STN color LCD	STN monochrome (black/white) LCD	TFT color LCD	STN color LCD	STN monochrome (black/white) LCD	STN color LCD	STN monochrome (black/white) LCD				
Disp No. of	reen size				5.	7"							
No. of	solution				QVGA: 320	× 240 [dots]							
No. of	play size	115(W) × 86(I	H) [mm] (in horizontal	display mode)	115(W) × 86(H	H) [mm] (in horizontal	display mode)	115(W) × 8	86(H) [mm]				
Disp	of displayed characters		16-dot standard font:	20 chars. x 15 lines (2	2-byte) 12-dot standa	ard font: 26 chars. x 2	rizontal display mode)						
	play colors	256 0	colors	Monochrome (black/white) 16 gray scale	256 0	olors	Monochrome (black/white) 16 gray scale	256 colors	Monochrome (black/white) 16 gray scale				
Display *1 View	w angle	Right/left: 70°, Up: 70°, Down: 50° (in horizontal display mode)	Right/left: 50°, Up: 50°, Down: 60° (Hardware versions A and B) (In horizontal display mode) Right/left: 55°, Up: 65°, Down: 70° (Hardware version C or later) (In horizontal display mode)	Right/left: 45°, Up: 20°, Down: 40° (in horizontal display mode)	Right/left: 70°, Up: 70°, Down: 50° (in horizontal display mode)	Right/left: 55°, Up: 65°, Down: 70° (in horizontal display mode)	Right/left: 45°, Up: 20°, Down: 40° (in horizontal display mode)	Right/left: 50°, Up: 50°, Down: 60° (Hardware versions A and B) Right/left: 55°, Up: 65°, Down: 70° (Hardware version C or later)	Right/left: 45°, Up: 20°, Down: 40°				
Cont	ntrast adjustment	-	16-step a	djustment	-		16-step a	djustment					
	ensity	400 [cd/m ²]	350 [cd/m²] (Hardware versions A and B) 380 [cd/m²] (Hardware version C or later)	220 [cd/m ²]	400 [cd/m ²]	380 [cd/m ²]	220 [cd/m ²]	350 [cd/m²] (Hardware versions A and B) 380 [cd/m²] (Hardware version C or later)	220 [cd/m ²]				
Inten	ensity adjustment				8-step ad	justment							
Life				Approx.	50,000 hours (operating		re: 25°C)						
Backlight		Cole	d-cathode fluorescent	tube (not replaceable)		·		reen save time can be	set.				
Life*	j*2) hours or more	Approx. 54,000 hours or more	Approx. 75,000 ensity reaches 50% a	hours or more	Approx. 54,000 hours or more	Approx. 75,000 hours or more					
Туре	10			(Time for display in			inperature or 25 O)						
	of touch keys	Matrix resistive type 300 keys/screen (matrix consisting of 15 lines x 20 columns)											
Touch Key s				300 keys	· · · · · · · · · · · · · · · · · · ·		columns)						
panel ———	f simultaneous touch points				Min. 16 × 16 [0								
Life	-			4.000	Max. 2		-1\						
Life 1,000,000 times or more (operating force 0.98N or less) C drive*3 3MB built-in flash memory (for saving project data and OS)													
				3IVIB DU			and OS)						
	fe (No. of writings)				100,000								
D driv	rive				512KB built-in SRA								
Battery Back	alcad up data	GT11-50BAT type lithium battery Clock data, alarm history, recipe data, time action set values											
Life	cked up data				deline approx. 5 years								
Liie	,												
Bus	3		-		1ch for QnA/A	node)/motion controller CPU/motion controller ion: For bus connection	CPU (A series)	-	-				
RS-4	-422/485	Connec Applicat Terminal	RS-422/485, 1ch 115200/57600/38400/ tor shape: D-sub 9-pin tion: Communication w resistance*5: OPEN/11 v terminal resistance tra	(female) ith PLCs 0Ω/330Ω	-			-					
	-422/232		-		-			RS-422/232, 1ch (Select one when using.) Transmission speed: 115200/ 57600/38400/19200/9600/4800bps Connector shape: Round type, 32-pin (male)					
Built-in interface	422/202		RS-232, 1ch	19200/9600/4800hps	RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male) Application: Connection to barcode reader/personal computer (project data read/write, OS installation,			RS-232, 1ch, Transm 57600/38400/192 Connector shape: Mi	00/9600/4800bps				
		Application: Co conn	ctor shape: D-sub 9-pir ommunication with con ection to personal com	n (male) nected devices, puter	Application: Connect (project of	ction to barcode reader data read/write, OS ins	r/personal computer stallation,	(project data read/w	n to personal computer rite, OS installation,				
interface	-232	Connect Application: Connect C	ctor shape: D-sub 9-pir ommunication with con ection to personal com e, OS installation, FA tra	n (male) nected devices, puter nsparent function, etc.) USB (full-	Application: Connect (project (FA)) speed 12Mbps), device	ction to barcode readed data read/write, OS instransparent function, e 1ch Connector sha	r/personal computer stallation, stc.) pe: Mini-B	(project data read/w FA transparent	n to personal computer				
RS-2	-232 B	Connec Application: Co conn (project data read/write	ctor shape: D-sub 9-pir ommunication with con ection to personal com e, OS installation, FA tra Application	n (male) nected devices, puter nsparent function, etc.) USB (full-in: Connection to perso	Application: Connect (project of FA) speed 12Mbps), device nal computer (project of the fact of the fa	ction to barcode reader data read/write, OS inst transparent function, et 1ch Connector sha lata read/write, OS inst	r/personal computer stallation, stc.) pe: Mini-B tallation, FA transparen	(project data read/w FA transparent at function)	n to personal computer rite, OS installation, function, etc.)				
RS-2 USB	-232 B card	Connect Application: Connect C	ctor shape: D-sub 9-pir ommunication with con ection to personal com e, OS installation, FA tra Application	n (male) nected devices, puter nsparent function, etc.) USB (full-	Application: Connect (project of FA) speed 12Mbps), device nal computer (project of colication: Data transfer,	ction to barcode reader data read/write, OS inst transparent function, et of the Connector sha lata read/write, OS insi data storage, GOT sta	r/personal computer stallation, stc.) pe: Mini-B tallation, FA transparen	(project data read/w FA transparent at function)	n to personal computer rite, OS installation, function, etc.)				
RS-2 USB CF c Optio	-232 B card ional function board	Connec Application: Co conn (project data read/write	ctor shape: D-sub 9-pir ommunication with con ection to personal com e, OS installation, FA tra Application	n (male) nected devices, puter nsparent function, etc.) USB (full-in: Connection to perso	Application: Connec (project of FA speed 12Mbps), device nal computer (project of olication: Data transfer, Embedded	ction to barcode reader data read/write, OS instransparent function, et ich Connector sha lata read/write, OS inst data storage, GOT sta in main unit	r/personal computer stallation, stc.) pe: Mini-B tallation, FA transparen	(project data read/w FA transparent at function)	n to personal computer rite, OS installation, function, etc.)				
RS-2 USB	-232 B card ional function board it	Connec Application: Cc conn (project data read/write	ctor shape: D-sub 9-pir ommunication with con ection to personal com e, OS installation, FA tra Application	n (male) nected devices, puter nsparent function, etc.) USB (full- in: Connection to perso or shape: TYPE I App	Application: Connec (project of FA speed 12Mbps), device nal computer (project of plication: Data transfer, Embedded Single tone (tone	ction to barcode reader data read/write, OS instransparent function, et ich Connector sha lata read/write, OS inst data storage, GOT sta in main unit	r/personal computer tallation, ttc.) pe: Mini-B tallation, FA transparen trup FAT16 format: t	(project data read/w FA transparent at function) max. 2GB, FAT32 form	n to personal computer rite, OS installation, function, etc.)				
RS-2 USB CF c Optio Buzzer output Protective cons External dimen	-232 B card ional function board it instruction*4	Connect Application: ecc conn (project data read/write Compact flas	ctor shape: D-sub 9-pir ommunication with con ection to personal come, OS installation, FA tra Application h slot, 1ch Connector	n (male) nected devices, puter nsparent function, etc.) USB (full- nn: Connection to perso or shape: TYPE I App	Application: Connec (project of FA speed 12Mbps), device nal computer (project co plication: Data transfer, Embedded Single tone (tone	tion to barcode reader data read/write, OS inst transparent function, e 1 1ch Connector sha lata read/write, OS inst data storage, GOT sta in main unit ength adjustable)	r/personal computer tallation, tet.) pe: Mini-B tallation, FA transparen trup FAT16 format:	(project data read/w FA transparent at function) max. 2GB, FAT32 form:	n to personal computer rite, OS installation, function, etc.)				
RS-2 USB CF c Optio Buzzer output Protective cons External dimer (without USB p	-232 B card ional function board it instruction*4 ensions port cover)	Connec Application: Cc conn (project data read/write Compact flas Fr 164	ctor shape: D-sub 9-pir mmunication with connection to personal come, OS installation, FA tra Application h slot, 1ch Connector ont: IP67f In panel: IP (W) × 135(H) × 56(D) [n (male) nected devices, puter nsparent function, etc.) USB (full- n: Connection to perso or shape: TYPE I App	Application: Connec (project of FA speed 12Mbps), device nal computer (project o plication: Data transfer, Embedded Single tone (tone	cition to barcode readed data read/write, OS instransparent function, e. 1ch Connector sha data read/write, OS instransparent function, e. 1ch Connector sha data read/write, OS instransparent function and shadat storage, GOT stein main unit ength adjustable) cont: IP67f In panel: IP (W) × 135(H) × 65(D) [r/personal computer tallation, ttc.) pe: Mini-B tallation, FA transparen artup FAT16 format: 1	(project data read/w FA transparent at function) max. 2GB, FAT32 form:	n to personal computer rite, OS installation, function, etc.) at: not usable ssf tion cable is connected)				
RS-2 USB CF c Optio Buzzer output Protective cons External dimen	-232 B card ional function board it instruction*4 ensions port cover)	Connec Application: Cc conn (project data read/write Compact flas	ctor shape: D-sub 9-pir munication with connection to personal come, OS installation, FA tra Application h slot, 1ch Connector ont: IP67f In panel: IP	n (male) nected devices, puter nsparent function, etc.) USB (full- n: Connection to perso or shape: TYPE I App	Application: Connec (project of FA speed 12Mbps), device nal computer (project o plication: Data transfer, Embedded Single tone (tone of Fro	cition to barcode reade data read/write, OS ins transparent function, e 1ch Connector sha data read/write, OS insi- data storage, GOT ste in main unit ength adjustable)	r/personal computer tallation, ttc.) pe: Mini-B tallation, FA transparen artup FAT16 format: r	(project data read/w FA transparent at function) max. 2GB, FAT32 form:	n to personal computer rite, OS installation, function, etc.) at: not usable at: not usable isf ion cable is connected) if) × 93(D) [mm]				

Power supply specifications

					Sį	pecification					
Item	GT1155-QTBD GT1155-QSBD GT1155HS-QSBD	GT1150-QLBD GT1150HS-QLBD	GT1155-QTBDQ GT1155-QTBDA	GT1155-QSBDQ GT1155-QSBDA	GT1150-QLBDQ GT1150-QLBDA	GT1055-QSBD	GT1050-QBBD	GT1045-QSBD	GT1040-QBBD		
Input power supply voltage				24VDC (+10%, -15%), ripp	ole voltage of 200	mV or less				
Input frequency						-					
Input maximum apparent power						-					
Power consumption	9.84W or less (410mA/24VDC)	9.36W or less (390mA/24VDC)	11.16W or less (465mA/24VDC)	9.72W or less (405mA/24VDC)	7.92W or less (330mA/24VDC)	9.84W or less (410mA/24VDC)	9.36W or less (390mA/24VDC)	3.6W or less (150mA/24VDC)			
With backlight off	f 4.32W or less (180mA/24VDC) 5.04W or less (210mA/24VDC) 4.32W or less (180mA/24VDC)						180mA/24VDC)	2.9W or less (120mA/24VDC)			
Inrush current	15A or less (2ms, at max. load) 26A or less (4ms, at max. load)							15A or less (26.4V) 2ms			
Permissible instantaneous failure time	Within 5ms Within 10ms						Within 5ms				
Noise resistance	Noise voltage 1000V	ise voltage 1000Vp-p, noise width 1μs Noise voltage 500Vp-p, noise width 1μs					Noise	voltage 1000Vp-p, noise width	1µs		
Noise resistance	by noise simulator with noi	ise frequency 30 to 100Hz	by noise simulate	or with noise frequ	uency 25 to 60Hz		by noise sir	nulator with noise frequency 30	to 100Hz		
Withstand voltage				500VAC for 1	minute between p	ower supply term	inal and ground				
Insulation resistance			$10M\Omega$ or higher v	vith an insulation	resistance tester	500VDC between	n power supply te	rminal and ground)			
Applicable wire size	0.75 to 2 [mm²]*1							Single-wire 0.14 to 1.5 [mm²], AWG26 to AWG16 (single wire) 0.14 to 1.0 [mm²], AWG26 to AWG16 (stranded wire) installation 0.25 to 0.5 [mm²], AWG24 to AWG20 (bar terminal with insulation sleeve) Two-wire 0.14 to 0.5 [mm²], AWG26 to AWG20 (single wire) installation 0.14 to 0.2 [mm²], AWG26 to AWG24 (stranded wire)			
Clamp terminal		Clam	terminals for M3	screw RAV1.25-	3, V2-N3A, FV2-N	√3A*1		AI2.5-6BU, AI0.34-6TQ, AI0.5-6	WH (made by Phoenix Contact)		
Tightening torque (terminal block's terminal screws)		-		0.5 to 0.8 [N·m]*1				0.22 to 0	.25 [N·m]		
*1 : Excluding GT115	HS										

Performance specifications

T S F C C N C C V V C C C C C C C C C C C C C	Fype Screen size Resolution Display size No. of displayed characters Display colors View angle	16 12-dot standard 256 colors	QVGA: 320 horizontal display mode) 6-dot standard font: 20 c	GT1045-QSBD STN color LCD 4. × 240 [dots] 96(W) × 72(H) [mm] (in labars. × 15 lines (2-byte	9),			
T S F C C N C C V V C C C C C C C C C C C C C	Type Screen size Resolution Display size No. of displayed characters Display colors	STN color LCD 5. 115(W) × 86(H) [mm] (in 16 12-dot standard 256 colors	STN monochrome (blue/white) LCD 7* QVGA: 320 horizontal display mode) 6-dot standard font: 20 c font: 26 chars. x 20 line Monochrome (blue/white)	STN color LCD 4. × 240 [dots] 96(W) × 72(H) [mm] (in lchars. × 15 lines (2-byte	STN monochrome (blue/white) LCD 7" horizontal display mode)			
S F C N c Display*1	Screen size Resolution Display size No. of displayed characters Display colors	5. 115(W) × 86(H) [mm] (in 16 12-dot standard 256 colors	(blue/white) LCD 7° QVGA: 320: horizontal display mode) 6-dot standard font: 20 of font: 26 chars. × 20 line Monochrome (blue/white)	4. × 240 [dots] 96(W) × 72(H) [mm] (in chars. × 15 lines (2-byte	(blue/white) LCD .7" horizontal display mode)			
Display*1 C	Resolution Display size No. of displayed characters Display colors	115(W) × 86(H) [mm] (in 16 12-dot standard 256 colors	QVGA: 320 horizontal display mode) 6-dot standard font: 20 c font: 26 chars. × 20 line Monochrome (blue/white)	× 240 [dots] 96(W) × 72(H) [mm] (in chars. × 15 lines (2-byte	horizontal display mode)			
Display*1 C	Display size No. of displayed characters Display colors	16 12-dot standard 256 colors	horizontal display mode) 6-dot standard font: 20 c font: 26 chars. × 20 line Monochrome (blue/white)	96(W) × 72(H) [mm] (in chars. × 15 lines (2-byte	9),			
Display*1 C	No. of displayed characters Display colors	16 12-dot standard 256 colors	6-dot standard font: 20 c font: 26 chars. × 20 line Monochrome (blue/white)	chars. × 15 lines (2-byte	9),			
Display*1 C	Characters Display colors	12-dot standard 256 colors	font: 26 chars. × 20 line Monochrome (blue/white)					
V	. ,			es (2-byte) (in horizontal display mode) Monochrome (blue/white)				
C	/iew angle	Dight/loft: EE°	10 gray scale	256 colors	Monochrome (blue/white) 16 gray scale			
-		Right/left: 55°, Up: 65°, Down: 70° (in horizontal display mode)	Right/left: 45°, Up: 20°, Down: 40° (in horizontal display mode)	Right/left: 50°, Up: 40°, Down: 70° (in horizontal display mode)	Right/left: 45°, Up: 20°, Down: 40° (in horizontal display mode)			
	Contrast adjustment							
_ Ir	ntensity	380 [cd/m ²]	260 [cd/m ²]	150 [cd/m ²]	300 [cd/m ²]			
L	_ife	Approx. 50,000 hours (Time for display contrast reaches 20% at operating ambient temperature of 25°						
Backlight Cold-cathode fluorescent tube (not replaceable) with backlight OFF detection function. Backlight off time and screen save time can be set. Approx. 75.000 Approx. 54.000 LED (no need to replace) Backlight off time and screen sittime can be set.					and screen save			
	_ife*2	Approx. 75,000 hours or more	Approx. 54,000 hours or more	-				
	_iie · -	(Time for display inter operating ambient te		-	-			
Ţ	Гуре		Matrix resi	istive type				
Touch	No. of touch keys		Max. 50 ke	eys/screen				
panel	Key size	Min. 16 x 16 [dots] (per key)						
No	lo. of simultaneous touch points	Max. 2 points						
L	_ife	1,000	0,000 times or more (op	perating force 0.98N or	less)			
	Jser memory*3	Built-in flas	sh memory for saving pr		ss) and OS			
, , L	Life (No. of writings)		100,000					
_			GT11-50BAT typ	e lithium battery				
Battery E	Backed up data	Clock da	ata, alarm history, recip	pe data, time action se	t values			
L	_ife	Replacement gu	ideline approx. 5 years	(operating ambient ten	nperature: 25°C)			
F	RS-422/485	RS-422/485, 1ch Terminal resistance*5	Transmission speed: 11 Connector shape: D Application: Commu : OPEN/110Ω/330Ω (sw	unication with PLCs	•			
Built-in F	RS-232		ransmission speed: 115 Connector shape: I Communication with PLC communication with	D-sub 9-pin (male) Cs, connection with bar	·			
20		communication with personal computers (project data read/write, OS installation, transparent function)						
interface				Mbps), device 1ch				
interface	JSB		Connector sh Connector sh plication: Communication t data read/write, OS ins	on with personal compu				
interface	JSB Memory board	(project	Connector sh plication: Communication	on with personal compustallation, transparent for	unction)			
interface	Memory board	(project	Connector sh plication: Communication t data read/write, OS ins	on with personal compustallation, transparent for pard (GT10-50FMB) 1c	unction)			
interface L	Memory board	(project	Connector sh plication: Communication t data read/write, OS installing memory bo	on with personal compustallation, transparent fundament (GT10-50FMB) 1c ogth adjustable/none)	unction)			
interface L	Memory board put construction*4	(project	Connector st plication: Communication data read/write, OS ins or installing memory both Single tone (tone len Conforming to IP	on with personal compustallation, transparent fundard (GT10-50FMB) 1c ogth adjustable/none) 267f (front panel)	unction)			
interface L Buzzer outp	Memory board put construction*4 mensions	(project	Connector st plication: Communicatio d data read/write, OS ins For installing memory bo Single tone (tone len Conforming to IP H) × 56(D)[mm]	on with personal compustallation, transparent funder (GT10-50FMB) 1c ogth adjustable/none) 267f (front panel) 139(W) × 112(i	unction) h			
interface L Buzzer outp Protective c External din Panel cut di	Memory board put construction*4 mensions	(project F 164(W) × 135(H	Connector st plication: Communicatic t data read/write, OS ins for installing memory bo Single tone (tone len Conforming to IP H) × 56(D)[mm] 21(H)[mm]	on with personal compustallation, transparent funder (GT10-50FMB) 1c ogth adjustable/none) 267f (front panel) 139(W) × 112(i	unction) h H) × 41(D)[mm] 103(+1 -0)(H)[mm]			

- #1: On LCD screens, bright dots (permanently lit) and black dots (not to be lit) generally appear.

 #1: On LCD screens, bright dots (permanently lit) and black dots (not to be lit) generally appear.

 Because the large number of display elements exist on an LCD screen, it is not possible to reduce appearance of the bright and black dots to zero.

 Flickering may occur depending on the display colors.

 Note that the existence of bright and black dots is a standard characteristic of LCD screens, and it does not mean that the products are defective or damaged.

 Displaying one single screen for a long time can lead to burn-in, causing afterimages or image irregularities that could not disappear. Use the screen saver that is effective to prevent burn-in.

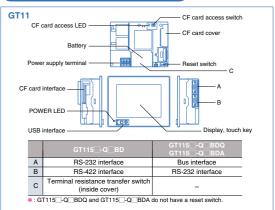
 #22: Using the GOT screen saver/backlight OFF functions prevents screen burn-in and extends the backlight life.

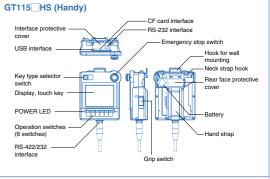
 #31: The memory is ROM that permits overwriting of new data without having to delete the existing data.

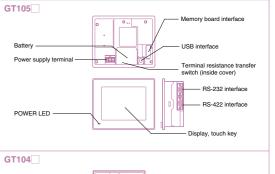
 #41: This does not guarantee protection in all users' environments. The specification is not applied when the interface protective cover and rear face protective cover are removed. The unit may not be used in an environment where it is exposed to splashing oil or chemicals for a long time or it is soaked with oil mist.

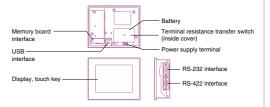
 #52: I he case of GOT multi-drop connection, set the terminal resistance transfer switch on the GOT main unit according to the connection configuration.

Component names









GT10

Power supply specifications

				Sp	ecification					
		GT1030-HBD	GT1030-HBDW	GT1020-LB	GT1020-LBDW	GT1030-HBL	GT1020-LBL			
	tem	GT1030-HWD	GT1030-HWDW	GT1020-LWI	GT1020-LWDW	GT1030-HWL	GT1020-LWL			
		GT1030-HBD2	GT1030-HBDW2	GT1020-LBI	2 GT1020-LBDW2	GT1030-HBLW	GT1020-LBLW			
		GT1030-HWD2	GT1030-HWDW2	GT1020-LWI	02 GT1020-LWDW2	GT1030-HWLW	GT1020-LWLW			
Input powe	r supply voltage	24VDC	(+10%, -15%), ripp	le voltage of 2	00mV or less	5VDC (±5%), PLC commu	supplied from nication cable			
Input frequ	uency				-					
Input maximu	ım apparent power				-					
Power cor	sumption	2.2W or less	(90mA/24VDC)	1.9W or le	ss (80mA/24VDC)	1.1W or less (220mA/5VDC)			
Wit	h backlight off	1.7W or less	(70mA/24VDC)	1.2W or le	ss (50mA/24VDC)	0.6W or less (120mA/5VDC)				
Inrush cur	18A or less (26.4DCV) 1ms 13A or less (26.4DCV) 1ms –					-				
Permissible inst	antaneous failure time		Within	n 5ms		_				
Noise resi	ctanca				000Vp-p, noise width 1					
Noise resi	Starice	by noise simulator with noise frequency 30 to 100Hz								
Withstand	voltage	500VAC for	I minute between p		-					
Inculation	resistance	10MΩ	or higher with an ir	sulation resis	ance tester	_				
IIISulation	resistance	(500VE	C between power s	upply terminal	and ground)					
A P 11	Single-wire	0.14 to 1.5m	m2, AWG26 to AWC	316 (single wir	e), 0.14 to 1.0mm ² , A\	VG26 to AWG16 (st	randed wire),			
Applicable wire size	installation		0.25 to 0.5mm ² , /	AWG24 to AW	G20 (bar terminal with	insulation sleeve)				
WITE SIZE	Two-wire installation	0.14 to 0.5n	nm ² , AWG26 to AW	320 (single wi	re), 0.14 to 0.2mm ² , A ¹	NG26 to AWG24 (st	tranded wire)			
Clamp ter	minal		Al2.5-6BU, A	10.34-6TQ, AIG	.5-6WH (made by Ph	penix Contact)				
	torque (terminal			0.00	to 0.0E [N m]					
block's tern	ninal screws)			0.22	to 0.25 [N·m]					
		under direct sun ligh , dust, humidity or vi	t or in an environment bration.	1 01 1119	uiries relating to product		, ,			

C Power supply terminal Power supply terminal

D RS-422 interface RS-422 interface, Power supply terminal RS-232 interface

GT1030/GT1020

Component names

with personal computer (RS-232)

Performance specifications

					Specif						
	Item	GT1030-HBD GT1030-HWD GT1030-HBL GT1030-HWL	GT1030-HBDW GT1030-HWDW GT1030-HBLW GT1030-HWLW	GT1030-HBD2 GT1030-HWD2	GT1030-HBDW2 GT1030-HWDW2	GT1020-LBD GT1020-LWD GT1020-LBL GT1020-LWL	GT1020-LBDW GT1020-LWDW GT1020-LBLW GT1020-LWLW	GT1020-LBD2 GT1020-LWD2	GT1020-LBDW2 GT1020-LWDW2		
	Туре				STN monochrome	(black/white) LCD					
	Screen size		4.					.7"			
	Resolution		288 × 96 [dots] (in					n horizontal mode)			
	Display size		109.42(W) × 35.98(H)[n	nm](in horizontal mode)		86.4(W) × 34.5(H)[mm](in horizontal mode)					
D:!*1	No. of displayed characters	16-dot standard font: 36 12-dot standard font: 48		or 18 chars. x 6 lines (2-b or 24 chars. x 8 lines (2-b		16-dot standard font: 20 chars. × 4 lines (1-byte) or 10 chars. × 4 lines (2-byte) (in horizontal mode)					
Display*1	Display colors				Monochrome	(black/white)					
	View angle			Right/le	ft: 30°, Up: 20°, Down:	30°(in horizontal display	/ mode)				
	Contrast adjustment				16-step a	djustment					
	Intensity	200 [cd/m ²] (in green)	500 [cd/m ²] (in white)	200 [cd/m ²] (in green)	500 [cd/m ²] (in white)	200 [cd/m ²] (in green)	300 [cd/m ²] (in white)	200 [cd/m ²] (in green)	300 [cd/m ²] (in white)		
	Intensity adjustment		8-step ad	ljustment				_			
	Life		Appro	x. 50,000 hours (Time	for display contrast read	ches 20% at operating a	mbient temperature of	25°C)			
		3-color LED	3-color LED	3-color LED	3-color LED	3-color LED	3-color LED	3-color LED	3-color LED		
Backlight	Color	(green, orange and red) (no need to replace)	(white, pink and red) (no need to replace)	(green, orange and red) (no need to replace)	(white, pink and red) (no need to replace)	(green, orange and red) (no need to replace)	(white, pink and red) (no need to replace)	(green, orange and red) (no need to replace)	(white, pink and red) (no need to replace)		
	Function	Status contro	ol (color, on/flashing/off)	is available and screen	save time setting can	be set. PLC can contro	color and status of ba	cklight based on system	information.		
	Туре		Matrix res	istive type		Analog resistive type					
	No. of touch keys				Max. 50 k	eys/screen					
Touch	Key size		Min. 16 × 16 [dots] (per key)			Min. 2 x 2 [d	ots] (per key)			
t	No. of simultaneous touch points		Max. 2	points		(If there is a switch		ssible e pressed keys, the swit	ch may function.)		
	Life			1,00	0,000 times or more (o	perating force 0.98N or	less)				
Memory	User memory*2	Built-in flas	h memory for saving pr	oject data (1.5MB or les	ss) and OS	Built-in flash memory for sa	ving project data (512KB or le	ess), OS, alarm history, recipe	data, time action set values		
wemory	Life (No. of writings)				100,00	00 times					
			GT11-50BAT typ	e lithium battery				-			
Battery	Backed up data	Clock o	data, alarm history, recip	oe data, time action set	values			-			
	Life	Replacement gu	ideline approx. 5 years	(operating ambient terr	nperature: 25°C)			-			
Built-in	For communication with PLC	GT1030-HBD/HWD, G RS-422/485, 1ch 1 115200/57600/38400/ Connector shape: Conne Application: Comm Terminal resistance* (switched by terminal res	Fransmission speed: 19200/9600/4800bps cter terminal block, 9-pin unication with PLC 3- ΟΡΕΝ/110Ω/330Ω sistance transfer switch)	RS-232, 1ch Transn 57600/38400/192 Connector shape: Conne Application: Comm	00/9600/4800bps ecter terminal block, 9-pin	Application: Comm Terminal resistance* (switched by terminal re	Transmission speed: (19200/9600/4800bps ictor terminal block, 9-pin unication with PLC 3: ΟΡΕΝ/110Ω/330Ω sistance transfer switch)	RS-232, 1ch Transn 57600/38400/192 Connector shape: Conne	00/9600/4800bps cter terminal block, 9-pin		
interface		GT1030-HBL/HWL, G RS-422, 1ch Tra 115200/57600/38400/ Connector shape: Conne Application: Comm	ansmission speed: (19200/9600/4800bps ctor terminal block, 9-pin	друковкоп. Сопт	unication with Ec	GT1020-LBL/LWL, GT1020-LBLW/LWLW RS-422 1ch Transmission speed: 15200/57600/38400/19200/9600/4800bps Connector shape: Connector terminal block, 9-pin Application: Communication with PLC			uncation with Eo		
	For communication with personal computer		Application		Connector shape: M	5200/57600/38400/1920 ini DIN 6-pin (female) pject data read/write, OS		nt function)			
Buzzer ou	-				Single tone (tone ler	ngth adjustable/none)					
Protective	construction*4				Conforming to If	P67f (front panel)					
External c	dimensions		145(W) × 76(H)	× 29.5(D)[mm]			113(W) × 74(F	H) × 27(D)[mm]			
Panel cut	dimensions		137(W) × 6	66(H)[mm]			105(W) ×	66(H)[mm]			
Weight		GT1030-H D(W): 0.3kg GT1030-H L(W): 0.28kg	(excl. mounting brackets)	0.3kg (excl. mo	unting brackets)	GT1020-L D(W): 0.2kg GT1020-L L(W): 0.18kg	(excl. mounting brackets)	0.2kg (excl. mount	ing brackets)		
Applicable s	software packages			supported GT Works2	/GT Designer 2)		GT Works3 Vers	sion1.31H or later			
						•					

*1 : On LCD screens, bright dots (permanently lit) and black dots (not to be lit) generally appear.

60

*1: On LCD screens, bright dots (permanently lift) and black dots (not to be lift) generally appear.
Because the large number of display elements exist on an LCD screen, it is not possible to reduce appearance of the bright and black dots to zero.
Flickering may occur depending on the display colors.
Note that the existence of bright and black dots is a standard characteristic of LCD screens, and it does not mean that the products are defective or damaged.
Displaying one single screen for a long time can lead to burn-in, causing afterimages or image irregularities that could not disappear. Use the screen saver that is effective to prevent burn-in.
*2: The memory is ROM that permits overwriting of new data without having to delete the existing data.
*3: In the case of GOT multi-drop connection, set the terminal resistance transfer switch on the GOT main unit according to the connection configuration.
*4: This does not guarantee protection in all users' environments. The specification is not applied when the interface protective cover and rear face protective cover are removed.
The unit may not be used in an environment where it is exposed to splashing oil or chemicals for a long time or it is soaked with oil mist.

External dimensions

GOT main units

External dimensions

GT1695 GT1685 GT167□ GT166□ GT1655 GT157□ GT1595 GT1585 GT156□ GT155□ GT1275 GT1265 GT115□-Q□BDQ GT115□-Q□BDA GT16 Handy GT115□-Q□BD GT11 Handy ئەتەتەت ، GT105□ GT104□ GT1030 GT1020

(Unit: mm)

Panel cut dimensions

hen the GOT is	installed		(Unit: mm)	A +2 *4
Screen size	Type of GOT main unit	A	В	A 70
15"	GT1695 GT1595	383.5	282.5	·
12.1"	GT1685*1 GT1585*1	302	228	
10.4"	GT167_*2 GT157_*2 GT1275	289	200	Panel opening B ⁺² ₀
8.4"	GT166 GT156 GT1265	227	176	
5.7"	GT1655*3 GT155*3 GT115*3 GT105*3	153	121	*1 : Same dimensions as A985GOT(-V) *2 : Same dimensions as A975/970GOT(-B) *3 : Same dimensions as F940GOT *4 : For the GT104, GT1030 and GT1020, the tolerances are +1/0.
4.7"	GT104	130	103	•
4.5"	GT1030	137	66	•
3.7"	GT1020	105	66	•

• When the CF card extension unit (mounting unit on control panel) is installed

Ī	Туре	A	В	●Cautions when installing and uninstalling
	GT15-CFEX-C08SET	94.0	33.0	When installing the CF card extension unit on the control panel, make sure that the extension unit does not interfere with the extension unit cable or the CF card interface of the GOT. Place the CF card extension unit at a distance of 25mm or more from the GOT.
				For installation locations, see the GT16 User's Manual (Hardware) or the GT15 User's Manual.

For compatibility with GOT900 series, see "Backward compatibility" (page 81).

Product installation spacing

The GOT must have the clearances from other devices as shown in [Fig. A]. The GOT may require more distance than the dimensions shown in the table depending on the types of connection cables. Consider the connector dimensions and cable bending radius when designing the installation.

●G	T16/GT15										(Unit: mm)
		GT1695	GT1685	GT167	GT166	GT1655	GT1595	GT1585	GT157	GT156	GT155
	GOT only		50 or more	(20 or more)	•	61 or more	50 o	r more (20 or r	nore)	50 or more (21 or more)	49 or more
	When a bus connection unit is installed	50 or more (20 or more)	50 or more (24 or more)	50 or more (33 or more)	50 or more (43 or more)	50 or more	50 or more	(20 or more)	50 or more (35 or more)	50 or more (40 or more)	50 or more
	When a serial communication unit is installed		50 or more	(20 or more)		49 or more	50 o	r more (20 or n	nore)	50 or more (21 or more)	49 or more
	When a RS-422 conversion unit is installed	50 or more (20 or more)	50 or more (39 or more)	50 or more (48 or more)	58 or more	-	50 or more (20 or more)	50 or more (39 or more)	53 or more	58 or more	-
	When an Ethernet communication unit is installed			-				50 c	or more (20 or n	nore)	
	When the CC-Link communication unit (GT15-J61BT13) is installed		50 or more	(20 or more)		50 or more (24 or more)		50 or more	(20 or more)		50 or more (24 or more)
	When a MELSECNET/H communication unit (coaxial) is installed	50 or more	(20 or more)	50 or more (25 or more)	50 or more (35 or more)	64 or more		(20 or more)	50 or more (30 or more)	50 or more (35 or more)	64 or more
	When a MELSECNET/H communication unit (optical) is installed	50 or more (20 or more)*1	¹ 50 or more (23 or more)*1	50 or more (32 or more)*1	50 or more (42 or more)*1	79 or more	50 or more (20 or more)*1	50 or more (23 or more)*	50 or more (37 or more)*1	50 or more (42 or more)*1	79 or more*1
	When a CC-link IE Controller Network communication unit is installed		50 or more	(20 or more)		57 or more	50 or more	(20 or more)	50 or more (23 or more)	50 or more (28 or more)	57 or more
^	When a CC-Link IE Field Network communication unit is installed		50 or more	(20 or more)		57 or more	50 or more	(20 or more)	50 or more (23 or more)	50 or more (28 or more)	57 or more
Α	When a printer unit is installed		50 or more	(20 or more)		50 or more (29 or more)		50 or more	(20 or more)		50 or more (29 or more)
	When a multimedia unit is installed	50 or more (20 or more)**	61 or more*2	70 or more*2	80 or more*2				-		
	When a video input unit is installed	50 or more (20 or more)**	61 or more*2	70 or more*2	80 or more*2		-	61 or more*2	75 or more*2	-	
	When a RGB input unit is installed		more (20 or m		50 or more (25 or more)**3		-	50 or more (20 or more)*3	-	
	When a video/RGB input unit is installed	50 or more (20 or more)**2 **	61 or more*2*3	70 or more*2 *3	80 or more*2 *3		-	61 or more*2*	75 or more*2 *3	-	
	When a RGB output unit is installed	50 or	more (20 or m	ore) ^{*3}	50 or more (25 or more)*3		-	50 or more (20 or more)*3	-	
	When a CF card unit is installed					r more (20 or n	more)				
	When a CF card extension unit is installed	50 or more (20 or more)	50 or more (49 or more)	58 or more	68 or more	50 or more	50 or more (20 or more)	50 or more (49 or more)	63 or more	68 or more	97 or more
	When an audio output unit is installed			(20 or more)		50 or more			r more (20 or n		
	When an external input/output unit is installed	50 o	or more (20 or n	nore)	50 or more (29 or more)	50 or more	50 or more	(20 or more)	50 or more (24 or more)	50 or more (29 or more)	58 or more
В							(20 or more)				
С	(When a CF card is not used)			(20 or more)		50 or more (20 or more)*4			or more (20 or n	nore)	
	(When a CF card is used)		50 or more	(20 or more)		100 or more 50 or more (20 or more) 1			100 or more		
D							(20 or more)				
Е						100 or more	(20 or more)				

- *1 : The distance varies depending on the cable to be used. For details, consult your local sales office.
- The values in the table are given for your reference only and may not reflect actual conditions. *2 : The distances required when the coaxial cable 3C-2V (JIS C 3501) is used.
- *3 : The distance varies depending on the cable to be used. When the bending radius of the cable is larger than the indicated value, keep a space appropriate to the bending radius.
- *4: When using a battery, the required dimension is greater than when using a CF card.

00T in it				,	_		
GOT main unit	A, D		When CF card is not used	When CF card is used	E		
GT1275	50	20	50 or more	50 or more	100		
GT1265	50 or more	80 or more	50 of more	100 or more	100 or more		
●GT11 (Unit: mm)							
GOT main unit	A, D		When CF card		E		
			is not used	is used			
GT1155 GT1150	50 or more (20 or more)	80 or more*1 (20 or more)	50 or more*2 (20 or more)	100 or more	100 or more (20 or more)		

*1:50 or	more (20 or	more) i	n the	case o	f vertical	installati	or
*2 · 80 or	more (20 or	more) i	n tha	case o	f vertical	inetallati	on

●GT12

*2 : 80 or more (20 or r	2 : 80 or more (20 or more) in the case of vertical installation									
●GT10					(Unit: mm)					
GOT main unit	Α	В	С	D	Е					
GT105 GT104	50 or more (20 or more)	80 or more (20 or more)	50 or more (20 or more)	50 or more (20 or more)	100 or more (20 or more*3)					
GT1030 GT1020	50 or more (20 or more*1)	50 or more (20 or more)	50 or more (20 or more)	50 or more	80 or more (20 or more*2)					

- \$1:50 or more when a RS-232/USB conversion adapter is used.
 \$2:80 or more when a personal computer connection cable is used or when a personal computer RS-232 interface is used for connecting multiple GOTs.
 50 or more when a RS-232 interface is used for using an RS-232/USB conversion adapter.
 \$3:80 or more when using a USB cable or a memory board.
- Dimensions shown in parentheses apply when there are no devices nearby (contactor, etc.) which produce radiated noise or heat. Even with these dimensions, however, the ambient temperature must
- Depending on the unit and cable being used, a cable length longer than dimension A (or dimension D for the GT10) in above [Fig. A] may be required.

Bus connection cables 0.6, 1.2, 3, 5, 10m Fig. 1 GT15-QC BS 15, 20, 25, 30, 35m Fig. 1 GT15-C NB 1.2, 3, 5m Fig. 2 GT15-AC B 0.6, 1.2, 3, 5m Fig. 3 GT15-A370C B-S1 1.2, 2.5m Fig. 4 GT15-A370C B Fig. 5 1.2. 2.5m GT15-A1SC B 0.7, 1.2, 3, 5m Fig. 6 GT15-A1SC NB 0.45, 0.7, 3, 5m Fig. 7 GT15-C EXSS-1*1 10.6. 20.6. 30.6m Figs. 8 & 9 GT15-EXCNB Fia. 8 0.7, 1.2, 3, 5, 10, 20, 30m GT15-C BS Fig. 9 GT15-J2C10B Fig. 10 1m

*1 : GT15-C EXSS-1 is a set consisting of GT15-EXCNB and GT15-C BS.

[Fig. A]



	(Unit: mm)
Ferrite core, approx. Ø35 x 40, red holder tube	Fertile core, approx. 035 x 40, green holder tube
Fig.2 20 60 Cable approx. 08.0 50 92 PLC side PLC side green holder tube	PLC side Ferrite core, approx. Ø35 × 40, A7GT-CNB side
Ferrite core, approx. 032 x 16,	11.5 32 1000 FG cable 75 20.5 So0 Cable approx. 09.0 GOT side
Fig. 11.5 32 L Cable approx. 08.0 50 Peritle core, approx. 035 x 40, green holder tube	Cable approx. 09.0 Ferrite core, approx. 035 x 40, blue holder tube
Fig.5 11.5 32 60 20 Cable approx. O8.0 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Fig.10 1000 32 11.5 Cable approx. Ø8.0 70 100 100 100 100 100 100 100 100 100

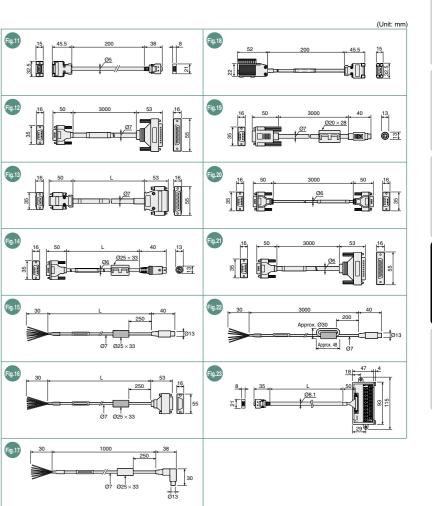
RS-422 cables									
Cable model name	Cable length (L)	External dimensions							
GT16-C02R4-9S	0.2m	Fig. 11							
GT01-C30R4-25P	3m	Fig. 12							
GT01-C R4-25P	10, 20, 30m	Fig. 13							
GT01-C R4-8P	1, 3, 10, 20, 30m	Fig. 14							
GT10-C R4-8P	1, 3, 10, 20, 30m	Fig. 15							
GT10-C R4-25P	3, 10, 20, 30m	Fig. 16							
GT10-C10R4-8PL	1m	Fig. 17							
GT10-C02H-9SC	0.2m	Fig. 18							

Cable model name	Cable length (L)	External dimensions						
GT01-C30R2-6P	3m	Fig. 19						
GT01-C30R2-9S	3m	Fig. 20						
GT01-C30R2-25P	3m	Fig. 21						
GT10-C30R2-6P	3m	Fig. 22						

RS-232 cables

RS-485 terminal block conversion unit

Model name	Cable length (L)	External dimensions
FA-LTBGTR4CBL	0.5, 1, 2m	Fig. 23



Thin model of bus connection unit for

RS-232 serial communication unit

Mitsubishi PLCs/Motion controllers/Safety controllers/ C controllers Connectable to a broad range of product lines.

Willsubi	BIIIFEC	3/1	πUl	101	T	JIII	TUI	ICI	3/ C	rait	Jty	CU	mu	oner	S/ C COII	Hollers	00	mile	υιαυ	G 10	a DI	Jau	14
				GT		nne T15			_	jurat	tion		GT1	0					3T16	Con /GT1		ion (
Series	Model name	Bus connection *2 *25	CPU direct	Computer link	MELSECNET/H	MELSECNET/10	CC-Link IE Controller Network *1	CC-Link IE Field Network *1	CC-Link (ID) *1 *4	CC-Link (via G4)	Ethernet *24	CPU direct	Computer link	CC-Link (via G4)	Series	Model name	Bus connection *2 *25	CPU direct connection	Computer link	MELSECNET/H S	MELSECNET/10 5	CC-Link IE Controller Network *1	H In Villa
MELSEC- Q series (Q mode)	Q00JCPU	O*7	*18	*18	0	O *8	0	×	0	0	0	*18	*18	0	MELSEC- A series (AnSCPU type)*10	A2USCPU A2USCPU-S1 A2USHCPU-S1 A1SCPU A1SCPUC24-R2 A1SHCPU A2SCPU A2SCPU-S1	0	*18 *18	0	×	O ×	×	
Redundant system	Q02PHCPU Q06PHCPU Q12PHCPU Q25PHCPU Q12PRHCPU											×	×	×		A2SHCPU A2SHCPU-S1 A1SJCPU A1SJCPU-S3 A1SJHCPU	O *12	*18					
(main base)	Q25PRHCPU Q12PRHCPU	×	*18	×	0	**	0	×	0	0	0	-				A0J2HCPU A0J2HCPUP21					.,		
(extension base)	Q25PRHCPU Q00UJCPU Q00UCPU	× ○*7	×	0	×	×	×	×	0	0	0				MELSEC-	A0J2HCPUR21 A0J2HCPU-DC24 A2CCPU		*11 *18			×		
	Q01UCPU Q02UCPU Q03UDCPU Q04UDHCPU														A series*10	A2CCPUP21 A2CCPUR21 A2CCPUC24 A2CCPUC24-PRF	×	O *18	×	×	×	×	
	Q06UDHCPU Q10UDHCPU Q13UDHCPU		*18									*18				A2CJCPU-S3 A1FXCPU Q172CPU *13	×		X		×		
	Q20UDHCPU Q26UDHCPU Q03UDECPU	0		○ *18	0	0	0	0	0	0	0		○ *18	0		Q173CPU *13 Q172CPUN *13 Q173CPUN *13	*15	*15 *18	*16 *18	*16	*16	×	:
	Q04UDEHCPU Q06UDEHCPU Q10UDEHCPU Q13UDEHCPU Q20UDEHCPU Q26UDEHCPU		*18 *19									*18 *19			Motion controller CPU (Q series)	Q172HCPU Q173HCPU Q172DCPU Q173DCPU Q172DCPU-S1	0	*14 *18	*18	0	0	0	
	Q50UDEHCPU Q100UDEHCPU															Q170MCPU MR-MQ100	X	O*18	X	X	X	X	
MELSEC-QS series MELSEC-Q series (A mode)	QS001CPU Q02CPU-A Q02HCPU-A Q06HCPU-A	×	X O *18	×	×	0	O X	×	× 0	×	0	X 0 *18	×	×	Motion controller CPU (A series) (large type)	A273UCPU A273UHCPU A273UHCPU-S3 A373UCPU	0	0	0	×	0	×	
MELSEC- L series	L02CPU L26CPU-BT L02CPU-P L26CPU-PBT	×	*18 *20	○ *18	×	×	×	0	0	0	0	*18 *20	○ *18	0	Motion	A373UCPU-S3 A171SCPU-S3 A171SCPU-S3N							
MELSEC- WS series	WS0-CPU0 WS0-CPU1	×	0	×	×	×	×	×	×	×	×	0	×	×	controller	A171SHCPU A171SHCPUN		0		×	×	×	;
C controller MELSEC- QnA series	Q12DCCPU-V *21 Q2ACPU Q2ACPU-S1 Q3ACPU	0	O*18	O*18	0	0	0	0	0	0	0	*18 *18	O*18 0*22	0	(A series) (small type) *10	A172SHCPU A172SHCPUN A173UHCPU A173UHCPU-S1	*17				0		
(QnACPU type) MELSEC-	Q4ACPU Q4ARCPU Q2ASCPU	O *9	○ *18	*5 *18	×	0	×	×	0	×	○ * 5	×	*18 ×			FX0S FX0N FX1S FX1N							
QnA series (QnASCPU type)	Q2ASCPU-S1 Q2ASHCPU Q2ASHCPU-S1 A2UCPU	0										*18	*5 *18		MELSEC- FX series	FX1NC FX2N FX2NC FX3G	×	○ *18	×	×	×	×	
	A2UCPU-S1 A3UCPU A4UCPU A2ACPU					0									MELSEC NET/H	FX3U FX3UC QJ72LP25-25 QJ72LP25G	×	0	0	×	×	_	
	A2ACPUP21 A2ACPUR21 A2ACPU-S1 A2ACPUP21-S1		○ *18									○ *18		×	remote I/O station CC-Link IE Field Network head unit	QJ72BR15 LJ72GF15-T2	×	×	0	×	×	×	
	A2ACPUR21-S1 A3ACPU														CC-Link IE Field Network Ethernet adaptor unit	NZ2GF-ET8	×	×	×	×	×	×	(
MELSEC- A series (AnCPU type)	A3ACPUP21 A3ACPUR21 A1NCPU A1NCPUP21	0		0	×	×	×	×	0	×	0		0		*7 : When using a *8 : Use function *9 : In a Q4ARC system exte	nction version B or I to bus extension connet version B or later fo PU redundant syste nsion base A68RB v kk unit software vers A171SHCPU and A	ctor bo or the 0 m, the version	ox, it mu CPU an GOT n B or la	ist be in nd MEL nust be ater.	stalled SECN conne	on an e ET/H n ected v	ia bus	COI
	AINCPUP21 AINCPUR21 A2NCPU A2NCPUP21 A2NCPUR21 A2NCPU-S1 A2NCPUP21-S1 A2NCPUR21-S1		*11 *18									*11 *18			A0J2-C214- *11: Only the foll A2CCPU. E ANNCPU(S A2SCPU A0J2HCPU A0J2HCPU A0J2HCPU A2CCPU *12: Cannot cons	A171SHCPU and A 31 (dedicated comp owing software vers ardier versions cann 1) (with/without link) 1-DC24 lect to bus if an exte 302 : 00H or later 220 : 00H or later 303 : 00B or later	uter lin ion or I ot be u : Versi : Versi : Versi : Versi	nk unit f later ca used. on L or on H or on B or on H or base is	later for later for later relater rela	2HCPU sed to	J) canr write d	not be ata to t link, ar	use the ind

n base. (It cannot be installed on the main base.) unit. connection to the last stage's redundant

CPU, A2SHCPU, A1SHCPU, A1SJHCPU,

he AnNCPU(S1), A2SCPU, A0J2HCPU and nd version H or later for CPUs without link

ASNCPUR21

Supported by the GT16 and GT15 only. (GT16 Handy can be connected only through Ethernet.)
When connecting multiple GOTs, note that the following GOT models cannot be used together. GOT1000 series,
GOT-A000 series, GOT200 series and A77GOT:
When MELSECNET/H is used in NET/10 mode, the GOT terminal cannot be connected directly to a remote I/O station.
CC-Link (via G4): Connected as CC-Link (intelligent device station)
CC-Link (via G4): Connected to a CC-Link system via AJ658T-G4-S3 or AJ658T-R2N
When using A series computer link or an Ethernet module with a GnACPU, only the device ranges within AnACPU specifications are supported. The following devices cannot be monitored:

- Evices that have been newly added to the GnACPU

- The CnACPU, the latch relay (L) and step relay (S) are separate devices from the internal relay (M), but the internal relay is nonetheless accessed when either a latch relay or step relay is specified.)

- File register (R)

A3NCPU A3NCPUP21

(D-sub 9-pin (male)) (terminal block)

RS-422/485 serial communication unit (D-sub 9-pin (female)) GT15-RS4-9S Fig. 4 RS-422/485 serial communication unit Fig. 5 RS-232→RS-422 conversion unit (9-pin) GT15-RS2T4-9P Fig. 6 RS-422 sion unit RS-232→RS-422 conversion unit (25-pin) GT15-RS2T4-25P Fig. 6 A9GT-QCNB Bus connector con-A7GT-CNB Fig. 8 GT15-J71LP23-25 Fig. 9 MELSECNET/H Optical loop unit GT15-J71BR13 Fig. 10 Coaxial bus unit CC-Link IE Controller Network communication unit GT15-J71GP23-SX CC-Link IE Field Network communication unit GT15-J71GF13-T2 Fig. 12 CC-Link communication unit Intelligent device station unit GT15-J61BT13

Communication units/optional units

Fig. 1 Fig. 2

Fig. 1

Fig. 2

Fig. 3 Fig. 3

Fig. 3 Fig. 3

Fig. 4

Fig. 13

Fig. 14

Fig. 16

Fig. 17

●Communication units/bus extension connector boxes

Standard model of bus connection unit for 1ch GT15-QBUS QCPU (Q mode)/motion controller CPU (Q Series) 2ch GT15-QBUS2

Standard model of bus connection unit for 1ch GT15-ABUS

QnA/ACPU/motion controller CPU (A Series) 2ch GT15-ABUS2

Thin model of bus connection unit for QCPU (Q mode)/motion controller CPU (Q Series) 2ch GT15-75QBUS2L

Thin model of bus connection unit for QnA/ACPU/motion controller CPU (A Series) 2ch GT15-75ABUSL

1ch GT15-75QBUSL

GT15-RS2-9P

GT15-J71E71-100

GT01-RS4-M

GT11H(S)-CCL

GT10-9PT5S

CC-Link interface unit Optional units

Ethernet communication unit

Connector conversion adapter

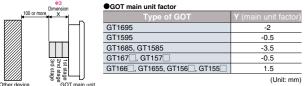
Serial multi-drop connection unit

Product name	Model name	External dimensions
Printer unit	GT15-PRN	Fig. 18
Multimedia unit	GT16M-MMR	Fig. 19
Video input unit	GT16M-V4	Fig. 20
Video input unit	GT15V-75V4	Fig. 21
DOR input unit	GT16M-R2	Fig. 20
RGB input unit	GT15V-75R1	Fig. 21
Video/DCR input unit	GT16M-V4R1	Fig. 20
Video/RGB input unit	GT15V-75V4R1	Fig. 21
RGB output unit	GT16M-ROUT	Fig. 22
NGB output unit	GT15V-75ROUT	Fig. 22
CF card unit	GT15-CFCD	Fig. 23
CF card extension unit	GT15-CFEX-C08SET	Fig. 24
Audio output unit	GT15-SOUT	Fig. 25
Eutomal input/autout unit	GT15-DIOR	Fig. 26
External input/output unit	GT15-DIO	Fig. 26
Handy COT connector conversion have	GT11H-CNB-37S	Fig. 27
Handy GOT connector conversion box	GT16H-CNB-42S	Fig. 28

*1 : The connector shape varies depending on the model.

*2 : Dimensions A to D for each communication unit 2.5 12 31.5 -GT15-QBUS2 2.5 11 29 33.5 GT15-ABUS 4.5 15 29.5 -GT15-ABUS2 4.5 11 31 31

*3 : Dimension X when GOT is installed



	stag stag	G1166_, G11655, G1156_, G1155_	1.5
Other device	stage GOT main unit		(Unit: mm)
Option fact	tor for communicati	ion units / option units	
	M		Z (option factor)
GT15-CFCI	D, GT15-CFEX-C0	8SET	20.5
GT16M-V4,	GT16M-R2, GT16	M-V4R1, GT16M-ROUT,	

GT15-CFCD, GT15-CFEX-C08SET	20.5
GT16M-V4, GT16M-R2, GT16M-V4R1, GT16M-ROUT,	
GT15V-75V4, GT15V-75R1, GT15V-75V4R1, GT15V-75ROUT,	
GT15-QBUS, GT15-QBUS2, GT15-ABUS, GT15-ABUS2,	21.5
GT15-RS2-9P, GT15-RS4-9S, GT15-RS4-TE, GT15-J71LP23-25,	21.5
GT15-J71E71-100, GT15-J71BR13, GT15-J61BT13, GT15-PRN,	
GT15-DIO, GT15-DIOR, GT15-SOUT	
GT16M-MMR, GT15-J71GP23-SX, GT15-J71GF13-T2	35.5
	(Linit: mm)

One-layer configuration: Y (main unit factor) + Z (option factor)

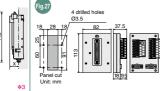
Two-layer configuration: Y (main unit factor) + Z (option factor) + Z (option factor) Three-layer configuration: Y (main unit factor) + Z (option factor) + Z (option factor) + Z (option factor)

	*4 : Dimension A for each commu	nication unit	
	Model name	Α	Fi
i	GT15-75QBUSL	2.5	`
i	GT15-75QBUS2L	2.5	

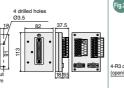
*5 : Dimension X when GOT is installed ●For GT16 ●For GT15 15" 6.5 12.1" 5 10.4" 8 15", 10.4" 8 12.1" 5 8.4", 5.7" 10

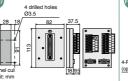
8.4", 5.7" 10

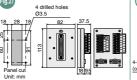


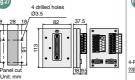


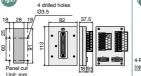
o **~**0

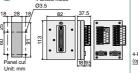


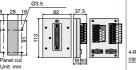


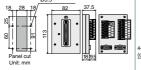


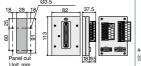


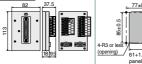


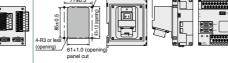












S. .



List of connectable models

Modules usable when connected with Mitsubishi PLCs

●For computer link connection

CPU series	Serial communication module/computer link module*1							
CPU Series	Model name		CH1	CH2				
	QJ71C24	*2	RS-232	RS-422/485				
MELSEC-Q series (Q mode)	QJ71C24-R2	*2	RS-232	RS-232				
Motion controller CPU	QJ71C24N		RS-232	RS-422/485				
(Q series)	QJ71C24N-R2		RS-232	RS-232				
MELSECNET/H remote I/O	QJ71C24N-R4		RS-422/485	RS-422/485				
MELSECINE I/H remote I/O	QJ71CMO	*3	Modular connector	RS-232				
station	QJ71CMON	*3	Modular connector	RS-232				
MELSEC-L Series	LJ71C24		RS-232	RS-422/485				
CC-Link IE Field Network head unit	LJ71C24-R2		RS-232	RS-232				
	A1SJ71UC24-R2		RS-232	-				
MELSEC-Q series (A mode)	A1SJ71UC24-R4		RS-422/485	-				
	AJ71QC24	*4	RS-232	RS-422/485				
	AJ71QC24-R2	*4	RS-232	RS-232				
	AJ71QC24-R4	*4	RS-422	RS-422/485				
	AJ71QC24N	*4	RS-232	RS-422/485				
	AJ71QC24N-R2	*4	RS-232	RS-232				
	AJ71QC24N-R4	*4	RS-422	RS-422/485				
	A1SJ71QC24	*4	RS-232	RS-422/485				
MELSEC-QnA series	A1SJ71QC24-R2	*4	RS-232	RS-232				
	A1SJ71QC24N	*4	RS-232	RS-422/485				
	A1SJ71QC24N-R2	*4	RS-232	RS-232				
	A1SJ71QC24N1	*4 *6	RS-232	RS-422/485				
	A1SJ71QC24N1-R2	*6	RS-232	RS-232				
	AJ71UC24	*6	RS-232	RS-422/485				
	A1SJ71UC24-R2	*4 *5	RS-232	-				
	A1SJ71UC24-R4	*5	RS-422/485	-				
	AJ71UC24	*5	RS-232	RS-422/485				
	A1SJ71UC24-R2	*5 *6	RS-232	-				
MELSEC-A series	A1SJ71UC24-R4	*5 *6	RS-422/485	-				
Motion controller CPU	A1SJ71C24-R2	*5	RS-232	-				
A series)	A1SJ71C24-R4	*4	RS-422/485	-				
•	A1SCPUC24-R2		RS-232	-				
	A2CCPUC24		RS-232	RS-422/485				

●For Ethernet connection

- #1. RS-485 communication is not possible; therefore, AQJ2-C214-S1 is unusable. When using A series computer link with OnACPU, only the device ranges within AnACPU specifications are supported. The following devices cannot be monitored:
 The following devices cannot be monitored:
 1 Devices that have been newly added to the OnACPU. Latch relays (L) and step relays (S) (in the CANACPU, the latch relay (L) and step relays (S) (in the CANACPU, the latch relay (L) and step relays (M), but the internal relay is nonetheless accessed when either a latch relay or step relay is specified.)

 File register (R)

● For MELSECNET/H connection

CPU series	MELSECNET/H module					
CFU Series	Optical loop	Coaxial bus				
MELSEC-Q series (Q mode)*1 MELSEC-QS series	QJ71LP21 QJ71LP21-25 QJ71LP21S-25	QJ71BR11				
Controller	QJ71LP21-25 QJ71LP21S-25					

● For MELSECNET/10 connection

TO MEESECIAL 1/10 Connection							
CPU series	MELSECNET/H (NET/10 mode), MELSECNET/10 module						
CPU series	Optical loop	Coaxial bus					
MELSEC-Q series (Q mode)*1 MELSEC-QS series	QJ71LP21 QJ71LP21-25 QJ71LP21S-25	QJ71BR11					
C controller	QJ71LP21-25 QJ71LP21S-25						
MELSEC-QnA series	AJ71QLP21 A1SJ71QLP21 AJ71QLP21S A1SJ71QLP21S	AJ71QBR11 A1SJ71QBR11					
MELSEC-Q series (A mode) MELSEC-A series Motion controller CPU (A series)	AJ71LP21 A1SJ71LP21	AJ71BR11 A1SJ71BR11					

*1 : Use CPU and MELSECNET/H network unit function version B or later.

● For CC-Link IE Controller Network connection

CPU series	CC-Link IE Controller Network communication unit
MELSEC-Q series (Q mode) MELSEC-QS series C controller	QJ71GP21-SX*1 QJ71GP21S-SX*1
*1 . In the extension made use a CRI I with the first	E digito of the corial No. are 19059 or higher

●For CC-Link IE Field Network connection

CPU series	CC-Link IE Field Network communication unit
MELSEC-Q series (Q-mode)	QJ71GF11-T2
C controller `	
MELSEC-L series	LJ71GF11-T2

●For CC-Link (ID) connection

CPU Series	CC-LIIK UIII
MELSEC-Q series (Q mode)	QJ61BT11
C controller	QJ61BT11N
MELSEC-L series	LJ61BT11
MELSEC-QnA series	AJ61QBT11*1
WELSEC-QUA Selles	A1SJ61QBT11*1
MELSEC-Q series (A mode)	AJ61BT11*1
MELSEC-A series	A1SJ61BT11*1
Motion controller CPU (A series)	

*1 : GOT can communicate only with CC-Link units function version B or later and software version J or later. ●For CC-Link (via G4) connection*1

CPU series	CC-Link unit	Peripheral device unit
MELSEC-Q series (Q mode) C controller MELSEC-L series	QJ61BT11 QJ61BT11N LJ61BT11	AJ65BT-G4-S3 AJ65BT-R2N

*1 : GT11 and GT10 can monitor only the master station.

CPU series			Ethernet module*	1		*1
MELSEC-Q series (Q mode)/MELSEC-QS series	QJ71E71-100	QJ71E71-B5	QJ71E71-B2	QJ71E71		
	AJ71QE71N3-T	AJ71QE71N-T	AJ71QE71-B5	A1SJ71QE71N-B2	A1SJ71QE71-B5	
MELSEC-QnA series	AJ71QE71N-B5	AJ71QE71N-B5T	A1SJ71QE71N3-T	A1SJ71QE71N-T	A1SJ71QE71-B2	
	AJ71QE71N-B2	AJ71QE71	A1SJ71QE71N-B5	A1SJ71QE71N-B5T		
MELSEC-Q series (A mode)	AJ71E71N3-T	AJ71E71N-T	A1SJ71E71N3-T	A1SJ71E71N-T	A1SJ71E71-B5-S3	
MELSEC-A series `	AJ71E71N-B5	AJ71E71N-B5T	A1SJ71E71N-B5	A1SJ71E71N-B5T	A1SJ71E71-B2-S3	
Motion controller CPU (A series)	AJ71E71N-B2	AJ71E71-S3	A1SJ71E71N-B2			

station.

*I: When using an A series Ethernet with QnACPU, only the device ranges within AnACPU specifications are supported except for the following devices.

- Devices that have been newly added to the QnACPU
- Latch relays (L) and step relays (S)
- (In the CnACPU, the latch relay (L) and step relay (S) are separate newless own the internal relay (M), but the internal step relay is specified.)

- File register (R)

FX3U-ENET (-L) MELSEC-FX series The GOT can be connected to Mitsubishi inverters to set their Inverters

parameters and display alarms.

Model name	GT16/GT15/GT12/GT11/GT10				
Woder Hame	RS-422	RS-232			
FREQROL-S500/S500E	0	X			
FREQROL-E500	0	X			
FREQROL-F500/F500L	0	X			
FREQROL-F500J	0	×			
FREQROL-A500/A500L	0	×			
FREQROL-V500/V500L	0	X			
FREQROL-E700	0	X			
FREQROL-F700	0	X			
FREQROL-A700	0	X			
FREQROL-D700	0	X			
FREQROL-F700P/F700PJ	0	X			

Servo amplifiers	The GOT can be connected to Mitsubishi servo amplifiers to set their parameters and display alarms.

Series	Model name	GT16/GT15/GT12/GT11/GT10					
Series	Woder Hairie	RS-422	RS-232				
MELSERVO-J3 series	MR-J3-□A	0	0				
WELSERVO-33 selles	MR-J3- T	0	0				
MELSERVO-J2-Super	MR-J2S- A	0	0				
series	MR-J2SCP	0	0				
series	MR-J2SCL	0	0				
MELSERVO-J2M series	MR-J2M-P8A	0	0				
IVIELSERVO-JZIVI SEITES	MR-J2M DII	0					

The GOT can be used to monitor Mitsubishi robot **Robot controllers** controllers and set their parameters.

				GT16	GT15	/GT12/0	GT11			
				Conne	ection o	configu	ration			
Controller name	Bus connection	CPU direct connection	Computer link	MELSEC NET/H *1	MELSEC NET/10 *1 *2	CC-Link IE Controller Network *1	CC-Link IE Field Network *1	CC-Link (ID) *1 *3	CC-Link (via G4)	Ethernet
CRnQ-700	0	○ *4	0	0	0	0	0	0	0	○ *5
CRnD-700	×	×	×	×	×	×	×	X	×	0
t - Supported by the GT	16 and G	T1E only	(CT16 H	ndy con	ho oonno	atod only	through E	thornot \	_ ^\	

. The CRITC-7UU can be accessed via RS-232 of the QCPU of a multi-CPU system.

The CRIQ-700's DISP I/F cannot be used. Access the controller via the Ethernet module or the Ethernet port of the CCPU of a multi-CPU system.

Supported by the GTI6, GTI5, and GT12 only.

Supported by the GTI6, GTI5, and GT11 only.

	connection *7	connection	link	NET/H *1	NET/10 *1 *2	Network *1	Field Network	(ID) *1 *3	(via G4)	*6
RnQ-700	0	○ *4	0	0	0	0	0	0	0	○ *5
RnD-700	×	×	X	×	×	X	×	X	X	0
Supported by the GT15 and GT15 only. (GT16 Handy can be connected only through Ethernet.) Supported only when MELSFCMTH is used in NET/10 mode. The GOT terminal cannot be connected to a remote I/O net. CC-Link (ID): Connected as CC-Link (intelligent device station). The CRn-O'700 can be accessed via R5-225 of the OCPU of a multi-CPU system.										

The GOT can be used to monitor Mitsubishi CNC C70 and C6/C64 and to set CNC their parameters.

		GT16/GT15/GT12/GT11										
	Model			Co	Connection configuration							
Series	name	Bus connection *7	CPU direct connection	Computer link	MELSEC NET/H *1	MELSEC NET/10 *1 *2	CC-Link IE Controller Network *1	CC-Link IE Field Network *1	CC-Link (ID) *1 *3	CC-Link (via G4)	Ethernet	
CNC C70	Q173NCCPU	0	○ *5	0	0	0	0	0	0	0	0	
MELDAS C6/C64	FCA C6 FCA C64	X	○ *4	×	×	○ *4	×	×	○ *4	×	○ *4	

- #1: Supported by the GT16 and GT15 only, (GT16 Handy can be connected only through Ethernet.)
 #2: When MELSECNET/H is used in NET/10 mode, the GOT terminal cannot be connected directly to a remote I/O station.
 #3: CC-Link (ID): Connected as CC-Link (intelligent device station).
 #4: Use NC system software version Do or later.
 #5: Only a USB interface is available on the OT/SINCCPU.
 The Q17SINCCPU can be accessed via R5-232 of the QCPU of a multi-CPU system.
 #6: Supported by the GT16, GT15, and GT11 only.

■Units usable when connected with MELDAS C6/C64

●For MELSECNET/10 connection

Series	MELSECNET/H (NET/10 mode), MELSECNET/10 module						
Series	Optical loop	Coaxial bus					
MELDAS C6/C64	FCU6-EX879	FCU6-EX878					
●For CC-Link (ID) connection							

MELDAS C6/C64 FCU6-HR865

Series	Ethernet module
MELDAS C6/C64	FCU6-EX875
When connected via ports other than abov GT15 ··· When connected via RS-232 When other than RS-232 GT12 ··· When connected via RS-232, RS-422485 or Ethem GT11 ··· When connected via RS-232 or RS-42	et: All models (Use the built-in interface of the GOT main unit.) • All models (Bus connection and network connection are neal) by mounting a communication unit on the GOT main unit.) • All models (Bus connection and network connection are enable) • All models (Bus connection and network connection are enable) • All models (Use the built-in interface of the GOT main unit.) • GT1 18 — Q BDQ, GT115 — Q BDA • GT16854-VTBD

The GOT1000 series allows connection to Mitsubishi PLCs and a variety of other FA devices.

Third party PLCs/Motion controllers/Safety controllers The GOT can be connected with third party PLCs through RS-232 communication at up to 115.2kbps or Ethernet.

				GT	16/GT15		GT11/G					GT ⁻	16/GT15	/GT12/	GT11/G	ĺ
	facturer		name	Computer lin	nk connection	CPU direct		Ethernet connection	Ma	anufacturer	Model name	Computer lin	k connection	CPU direct		ĺ
		CPM1	CPM1A	RS-422	RS-232	RS-422	RS-232	*9			SLC500-20	RS-422	RS-232	RS-422	RS-232	l
	SYSMAC CPM	CPM2A CPM2C		×	0		O X	×			SLC500-30 SLC500-40				O*1	
	SYSMAC CQM1 SYSMAC CPQ1H	CQM1 CQM1H			×)*2			SLC500 series	SLC5/01 SLC5/02	×	×	×		
	SYSMAC CJ1	CJ1H CJ1G	CJ1M				0			*5	SLC5/03 SLC5/04				0	İ
	SYSMAC CJ2	CJ2H		()*3			O*12			SLC5/05				\vdash	ļ
	SYSMAC CP1	CJ2M CP1H	CP1L			×	○*14 ×				1761-L10BWA 1761-L10BWB					
OMRON	SYSMAC C200HS	CP1E (N type) C200HS	*13				○*13 ×	×			1761-L16AWA 1761-L16BWA				ĺ	١
	SYSMAC C200H SYSMAC α	C200H C200HX	C200HE	0	0		0			MicroLogix 1000 series	1761-L16BWB 1761-L16BBB				ĺ	
		C200HG CS1H	CS1D				0	O*12		(digital CPU) *5*6*7	1761-L32AWA 1761-L32BWA					
	SYSMAC CS1 SYSYMAC C1000H	CS1G C1000H						O#12			1761-L32BWB 1761-L32BBB	×	×	×	0	
	SYSYMAC C2000H	C2000H CV500	CV2000) * 3		×	×			1761-L32AAA 1761-L20AWA-5A				ĺ	١
	SYSMAC CVM1/CV	CV1000 KV-700	CVM1 KV-3000	×	×) *3		Allen-Bradley	Allen-Bradley (analog CPU) *5	1761-L20BWA-5A 1761-L20BWB-5A					
KEYENCE		KV-1000 KV-5000	KV-5500	0	0	×	O ×	×	(Rockwell Automation,	MicroLogix 1200 series *5 MicroLogix 1500 series *5	1762-L24BWA 1764-LSP					
	KOSTAC SU	SU-5E	SU-5M	0	0	0	Ô	×	Inc)	WICIOLOGIX 1500 Series	1756-L					t
	PZ series	SU-6B PZ3	SU-6M	X	×	Ô	0	×			1756-L1M1 1756-L1M2					
	DirectLOGIC 205 series	D2-240 D2-250-1	D2-260	0	0	X	0	×			1756-L1M3 1756-L61					
KOYO ELECTRONICS	DirectLOGIC	D0-05AA D0-05AD	D0-05DD D0-05DD-D	0	0	×	0	×		ControlLogix series	1756-L62 1756-L63	×	×	×	O*1	١
NDUSTRIES	05 series	D0-05AR D0-05DA	D0-05DR D0-05DR-D							Controlled in Control	1756-L55M12 1756-L55M13		^	^	ĺ	
	DirectLOGIC	D0-06DD1 D0-06DD2	D0-06AA D0-06DD1-D								1756-L55M14 1756-L55M16				ĺ	١
	06 series	D0-06DR D0-06DA	D0-06DD2-D D0-06DR-D	0	0	0	0	×			1756-L55M22 1756-L55M23					
		D0-06AR JW-21CU	JW-50CUH								1756-L55M24				<u> </u>	ł
Sharp Manufac	turina	JW-31CUH JW-22CU	JW-70CUH	0	×	×	×			CompactLogix series	1769-L31 1769-L32E 1769-L32C	×	×	×	O*1	F
Systems *1	J	JW-32CUH JW-33CUH	JW-100CUH JW-100CU	0	×		⊃ * 3	×		. , ,	1769-L35E 1769-L35CR					F
		Z-512J PC3JG-P-CPU	PC3JG-CPU	X	× ○*4	×)*3 ()*4			FlexLogix series	1794-L33 1794-L34	×	×	×	O*1	ľ
	TOYOPUC	PC3J-CPU PC2JC-CPU	PC3JL-CPU PC2J16PR-CPU	Ŏ	Ö *4	Ô	O*4				IC693CPU311 IC693CPU313			×	×	İ
JTEKT *1	series	PC2J16P-CPL PC2J-CPU		0	O*4	×	O*4	×			IC693CPU323 IC693CPU350			^	$\stackrel{\smallfrown}{\longmapsto}$	
		PC2JS-CPU T2 (PU224)	1 02311-01 0				×			Series 90-30	IC693CPU360 IC693CPU363	0	0			
	PROSEC T series	T2E	T2N	\times	×) * 3				IC693CPU366			0	×	
TOSHIBA	PROOFO	T3 model 3000 (S	T3H			0	×	×			IC693CPU367 IC693CPU374					ļ
*1	PROSEC V series	model 2000 (S model 2000 (S	2T)	×	×	0	×				IC697CPU731 IC697CPX772					
-	Unified controller nv series	model 2000 (S PU811		X	X	×	X	0			IC697CPX782 IC697CPX928					١
TOSHIBA MACHINE	TCmini series	TC3-01 TC3-02	TC6-00 TC8-00	×	×	×	0	×	-	Series 90-70	IC697CPX935 IC697CPU780	0	0	×	×	١
WINOTHINE	Robot controller	TS2000 H-302	TS2100 H-4010	×	×	X	0	×			IC697CGR772 IC697CGR935					١
	Large-sized H series	H-702 H-1002	H-300 H-700	()*3	×	0	×			IC697CPU788 IC697CPU789					
	H-200 to 252	H-2002 H-200	H-2000 H-252B						GE Fanuc		IC697CPM790 IC200UAA003	0	0	0		H
Hitachi Industrial	n-200 to 252 series	H-250 H-252	H-252C	×	×	×	0	×	Automation Corporation		IC200UAR014 IC200UDD104				i	١
Equipment Systems	II andan	H-20DR H-28DR	H-28DT H-40DT						*1		IC200UDD112 IC200UDR001			×	ĺ	١
*1	H series board type	H-40DR H-64DR	H-64DT HL-40DR	×	×	×	0	×			IC200UDR002 IC200UDR003				ĺ	١
	=	H-20DT EH-CPU104	HL-64DR EH-CPU308								IC200UAL004 IC200UAL005 IC200UAL006 IC200UAA007 IC200UAR028 IC200UDD110	×			i	١
	EH-150 series	EH-CPU208 LQP510	EH-CPU316	×	×	×	0	×					×			١
Hitachi	S10V	LQP520 LQP800	LQP011	0	0	×	×	×		VersaMax Micro					0	١
*1	S10mini	LQP000 LQP010	LQP120	0	0	×	×	×			IC200UDD120 IC200UDD212			0		١
Fuji Electric FA Components	MICREX-F	F55 F70	F140S F15⊡S	0	0	×		×			IC200UDR005 IC200UDR006					١
& Systems *1		F120S FP0-C16CT	FP1-C24C		\vdash	<u> </u>	×				IC200UDR010 IC200UDD064					
		FP0-C32CT FP0R	FP1-C40C	×	×	×	0				IC200UDD064 IC200UDD164 IC200UDR164	0	0			
Panasonic Ele	otrio Works	FP0R FP2 FP2SH	FP5 FP10 (S)		0		0	×		K300S	IC200UDR164 IC200UDR064 K4P-15S				<u> </u>	ļ
Pariasonic Elei	CITIC WORKS	FP3	FP10SH	×		×	0	^	LS Industrial	K200S	K3P-07□S	0	0	×	×	
		FP-M (C20TC) FP-M (C32TC)		×	×	×	0		Systems	K120S K80S	K7M-D U S (/DC)				0	L
		FP-X GL120			×		0			Modicon	TSX P57 203M TSX P57 253M					١
		GL130 GL60S		0		×		×		Premium	TSX P57 303M TSX P57 353M					١
		GL60H GL70H			0		×				TSX P57 453M 140 CPU 311 10					
		CP-9200SH CP-9300MS		×	×		×	×	Schneider		140 CPU 434 12U 140 CPU 534 14U	×	×	×	×	١
YASKAWA Ele	ctric	MP920 MP930		0	0	×		0	Electric SA	Modicon	140 CPU 651 50 140 CPU 651 60					
-10		MP940 PROGIC-8			×	0	0	×		Quantum	140 CPU 671 60 140 CPU 113 02					
		CP-9200 (H) CP-312		×	^			0			140 CPU 113 03 140 CPU 434 12A					
		CP-317 MP2200			0	×	×	X	SICK AG		140 CPU 534 14A Flexi Soft series	×	×	×	0	ļ
	FA500	MP2300 FA500		0	D*3	×	×	O ×	Siemens AG		SIMATIC S7-200 series				0	þ
	1 7300	F3SP05	F3SP08	O .	Ĭ	<u> </u>	Ô	0		annet be come and	SIMATIC S7-300 series SIMATIC S7-400 series	× ×	× ×	×		ļ
		F3SP10 F3SP20	F3SP30	^	1		×	×	*2 : The GOT ca because it of	cannot be connected. annot be connected to the CQ does not have an RS-232 inter	*8 : Etl M1-CPU11 *9 : Su face. *10: Th	pported by e GT10 is	(PCCC properties (PCCC) the GT16 applicable MP920, M	GT15, and only to the	supported d GT12 or following	nl n
Yokogawa Electric	FA-M3	F3FP36 F3SP21	F3SP38	0	0	×			*3 : RS-422 or F	RS232 is selectable.	equired. MF	9200SH, 92300.	MP920, M	P930, MP)40, MP22	20
*10		F3SP25 F3SP35	F3SP53 F3SP58	_			0	0	*5 : Connection to the connection CPU. (B-Se	he DH485 network via an adapter (1770 to the DH485 requires a C-Se ries and earlier models do not	support the #12 No	t annlicahl	JS [®] /TCP o	Ethernet		
		F3SP28 F3SP66	F3SP59 F3SP67	×	X				DH485 prot *7 : A one-to-on	ocol.) ne connection requires a D-Sei	*13: CF ries or later be	U junits wi	th 20 point d only direct M-CPU1	s or less o	f CP1F (N	t
	STARDOM	NFCP100	NFJT100	X	X	X		O*11	DF1 half-du	eries and earlier models do not iplex format.)	. support the *14: Or	ny me CJ2	ivi-CPU1_	can de co	uniected.	

67

*9

O*8

List of connectable models

Third	party PLO	Cs/Motion contr	ollers/Safety co	ntrollers	ı
Modules	s usable when	connected with a third pa	arty computer link and Etl	hernet modules	П
Manu	facturer	RS-422	RS-232	Ethernet	
OMRON Host link uni communicat communicat Ethernet uni	ion unit/ ion board/	C200H-LK202-V1 C500-LK201-V1 COM1-SCB41 CJ1W-SCU41 CJ1W-SCU21-V1-CP1W-EXT01 CS1W-SCB41 C200HW-COM03/06 CP1W-CIF11 CP1W-CIF11 CJ1W-CIF11 KV-L20R KV-L20R	C200H-LK201-V1 C500-LK201-V1 C51W-SCU21 C51W-SCB21-V1 CJ1W-SCU21-V1 CJ1W-SCU21-V1 CJ1W-SCU21-V1 CJ1W-SCU21-V1 CJ1W-SCU21-V1 CJ1W-SCU21-V1 CJ1W-SCU31-V1 CJ1W-SCU31-V1 CJ1W-SCU31-V1 CMM1-CIF01/02 CQM1-CIF01/02 CQM1-SCB41 CPM1-CIF01 CPM2-C-CM111 CPM2-C-CIF01-V1 CP1W-CIF01 KV-L20P KV-L20P	CS1W-ETN21 CS1D-ETN21D CJ1W-ETN21	CI
	unication unit	KV-L20	KV-L20	_	
Data commun	RONICS INDUSTRIES ication module/ mmunication module	U-01DM D2-DCM D0-DCM	U-01DM D2-DCM D0-DCM		Fu
Sharp Manu Link unit	facturing Systems	JW-21CM ZW-10CM JW-10CM	_	_	Sy
JTEKT Link unit		THU-2755 THU-5139 THU-2927	_	_	
TOSHIBA E	thernet unit	_	_	EN811	
Hitachi Industrial Equipment Systems Intelligent serial port module		COMM-H COMM-2H	COMM-H COMM-2H		
Hitachi Communica	tion module	LQE565 LQE165	LQE560 LQE160 LQE060	_	Y
Fuii Electric	RS-232C interface card	_	NV1L-RS2		
FA Components	RS-232C/485 interface capsule	FFK120A-C10	FFK120A-C10	_	
& Systems	General interface module	NC1L-RS4 FFU120B	NC1L-RS2 FFU120B		_
	lectric Works mmunication unit	AFPX-COM3	AFP2462 AFPX-COM1 AFP3462 AFPX-COM2 AFP5462 AFPX-COM4	_	
YASKAWA I MEMOBUS communicat	module/	JAMSC-120NOM27100 JAMSC-IF612 217IF 217IF-01	JAMSC-IF60 217IF JAMSC-IF61 217IF-01 CP-217IF 218IF-01	218IF 218IF-01	
Ethernet inte	nputer link module/ erface module	LC02-0N F3LC11-2N	LC01-0N F3LC11-1N LC02-0N F3LC11-1F F3LC01-1N F3LC12-1F	F3LE01-5T F3LE11-0T F3LE12-0T	
	ockwell Automation, Inc.) mmunication module	_	_	1756-ENBT 1756-ENET	
GE Fanuc Aut Communicatio	omation Corporation n module	IC693CMM311 IC697CMM711	IC693CMM311 IC697CMM711	_	Y
	et communication unit	G7L-CUEC	G7L-CUEB		
Systems Cn	et communication module	G6L-CUEC G4L-CUEA	G6L-CUEB G4L-CUEA		
Schneider Electric SA Ethernet unit		_	_	TSX ETY 4102 TSX ETY 5102 140 NOE 771 00 140 NOE 771 10 140 NWM 100 00	

Servo amplifiers The GOT can be used to set parameters and display alarms.

Manufacturer	Model name	GT16/GT15/GT12/GT11		
Manufacturer	Model name	RS-485	RS-232	
	MINAS A4 series			
Panasonic	MINAS A4F series	1 ^		
i anasonic	MINAS A4L series]		
	MINAS A5 series		I	

Robot controllers The GOT can be used to monitor robot controllers and set their parameters.

Manufacturer		Model name	G116/G115/G112/G111/G110			
Manuracii		woder name	RS-422	RS-232		
		XSEL-J/K/KE				
		XSEL-P/Q				
	X-SEL	XSEL-KT/KET				
		XSEL-JX/KX	l ×			
		XSEL-KTX				
		XSEL-PX/QX				
IAI	SSEL	SSEL				
IAI		PCON-C/CG/CF/CY				
	PCON	PCON-SE	1			
		PCON-PL/PO				
		ACON-C/CG/CY				
	ACON	ACON-SE				
		ACON-PL/PO				
	SCON	SCON-C				

The GOT can be used to log data, Temperature controllers/Indicating controllers set parameters, and display alarms.

D.A.	anufacturer	Model name	GT16/GT15/GT12/GT11					
IVI	anulacturer	Woder Harrie	RS-485	RS-422	RS-232	Ethernet*		
		E5AN/E5EN						
OMBON	Thermac NEO	E5CN	0	×	O*2			
OWINON		E5GN	(2-wire type)*1		0			
	In-Panel NEO	E5ZN						
	ACS-13A series	ACS-13A □/□,□,C5*8						
	DCL-33A series	DCL-33A-□/M,□,C5*8]		O*2			
		JCS-33A/,C5*8	0					
	JC series	JCR-33A-□/□□,C5*8	(2-wire type)*1					
		JCD-33A-□/□□,C5*8						
	JCM-33A series	JCM-33A-□/□,□C5*8						
	FCR-100 series	FCR-13A-□/M,C				×		
	FCH-100 series	FCR-15A-□/M,C		×		^		
Shinko	FOD 400	FCD-13A-□/M,C						
Technos	FCD-100 series	FCD-15A-□/M,C	×					
	FCR-23A series	FCR-23A-□/M,C						
		PC935-□/M,C			O*4			
	DO 000	PC935/M,C5*8	(2-wire type)*1					
	PC-900 series	PC955-□/M,C	×					
		PC955/M,C5*8	0 *1					
	PCD-300 series	PCD-33A-□/M,C5*8	(2-wire type)					
	FIR series	FIR-201-M,C	×					
	JIR-301-M series	JIR-301-M□,C5*8	(2-wire type)*1		O*2			

68

Ma		Мс	del name		/GT15/0	GT12/G	[11 Ethernet		
		1.7050	1 7070	RS-485	HS-422	H5-232	Etnernet		
	LT300 series		LT370	4					
	LT400 series	LT450,		4	0	*2 ()*3			
	DZ1000 series	DZ100		4					
	DZ2000 series	DZ200	0 *7						
	LT230 series	LT230		(2-wire type)*1					
	LT830 series	LT830		(2 110 () () ()	×	O*2			
	GT120 series	GT120							
	DB1000 series	DB100	0		0				
CHINO	DB2000 series	DB200	0						
	KP series	KP100	0						
	KF Selles	KP200	0						
	AL3000 series	AL300)	7		0			
	AH3000 series	AH300	0	1 0					
	SE3000 series	SE300	0	(2-wire type)*1	0		.,		
	JU series	JU		7` ''			×		
	KE series	KE300	n	1		×			
	LE5000 series	LE500		1					
	LL3000 SCIICS	PXR	PXR3/4/5/9						
Fuji Electric	Micro	PXG	PXG4/5/9	1 0	×	O*2			
Systems	Controller X	-		(2-wire type)*1	_ ^				
		PXH	PXH9	1					
		SDC20		1 0					
		SDC30		(4-wire type)					
	SDC		A/40B/40G						
		SDC15		4	×	O*2			
YAMATAKE		SDC25							
		SDC35	/36	(2-wire type)*1					
	DMC	DMC10)						
	DIVIC	DMC50)	(4-wire type)	×	×			
	ND/	NX-D1	5	○ (0in to a) *1	×	×	O*11		
	NX	NX-D2	5	(2-wire type) *10	^	^	0		
		UT320	/321						
		UT350		1					
		UT420		1					
		UT450		1					
		UT520		-					
				1 ^			×		
		UT550		· · · *1					
	GREEN series	UT750		(2-wire type/					
		UP350		4-wire type)					
		UP550		_					
		UP750		_					
		UM330	/331	_					
Yokogawa		UM350	/351		×	O*2			
Tokogawa		US100	0		^				
		UT130			1				
		UT150		1 _					
	UT100 series	UT152		, O ,*1					
		UT155		(2-wire type)					
		UP150		1					
		UT240		0	1				
	UT2000 series	UT280		(4-wire type)					
				(wire type)	1				
			/UT35A /UT55A	0 *1					
	UTAdvanced series			(2-wire type/			O*11		
			/UP55A	4-wire type)					
		UM33A							
	SR Mini HG	H-PCP		(2-wire type)*1	0				
			-A, H-PCP-B*7						
	SRZ		Z-DIO, ZCT	(2-wire type)*1*6	O*5	O*2			
	СВ		/400/500 * 7	_					
		CB700] 0	×	O*2			
	ED	FB100							
	FB	FB400	900	(2-wire type)*1	0	0			
RKC	RB		400/500/700/900	7	×	O*2			
nstrument	PF	PF900					×		
	HA		/401/900/901	1	0	0			
	RMC	RMC50		+	×	O*2			
				1 0	-^-				
	MA	MA900				0			
	AG	AG500		(2-wire type)*1	0	×			
	THV	THV-A		_					
				1	I	I			
	SA	SA100	/200		×	O*2			

- SRX X-TIO

 \$1 : Supported by the GT16 and GT15 only. Not supported by the GT16 Handy.
 GT16: Use RS-422/485 interface or GT15-RS4-TE. GT-15-RS4-95 is not applicable.
 GT15: Use GT15-RS4-TE. GT15-RS4-TE. GT-15-RS4-95 is not applicable.

 \$2 : If the Imperature controller in California of the GT16 Section of t

Connection to all MODBUS®/RTU and MODBUS®/TCP slave devices MODBUS® devices is possible by using the MODBUS/RTU communication driver or the MODBUS/RTU communication driver. (For the GT11 and GT10, only MODBUS®/ RTU connection is supported.)

For details regarding operation-verified MODBUS® devices, refer to Technical Bulletin No. GOT-A-0037 (List of Valid Devices Applicable for GOT1000 Series MODBUS® Connection).

Microcomputer connection

Data can be written to and read from virtual devices on a GOT by connecting a personal computer, microcomputer control placed by control page 100 and 100 personal page 100 personal pag board, PLC, etc. to the GOT.

*: Applicable GOT varies depending on the connection destination.

GT16 ··· When connected via RS-222, RS-422485 of Ehemet: All models (Use the built-in interface of the GOT main unit.)

When connected via RS-232 so ther than above: All models (Bus connection and network connection are enabled by mounting a communication unit on the GOT main unit.)

GT15 ··· When connected via RS-232 so the met. All models (Bus connection and network connection are enabled by all models (Bus connection and network connection are enabled by all models (Bus connection and network connection and network connection and network connection and network connection and network connection and network connection and network connection and network connection and network connection and network connection and network connection and network connection and network connection and network connection and network connection and network connection and network connection and network connection are enabled by all network connected via RS-232 or Ex-222 filts and the state of the GOT main unit.)

When using bus connection and network connection are enabled by a filter and the GOT main unit.)

GT110 ··· When connected via RS-232 or Ex-222 filts and the graph and the GOT main unit.)

GT110 ··· When connected via RS-232 or RS-422; GT115 ··· GDBD, GT115 ··· GDBDA

GT10 ··· When connected via RS-232 or RS-422; GT115 ··· GDBD, GT104 ··· GDBDA

GT10 ··· When connected via RS-323 or RS-422; GT115 ··· GDBD

GT10 ··· When connected via RS-323 or RS-422; GT115 ··· GDBD

GT10 ··· When connected via RS-323 or RS-422; GT115 ··· GDBD

GT10 ··· When connected via RS-323 or RS-422; GT115 ··· GDBD

GT10 ··· When connected via RS-323 or RS-422; GT115 ··· GDBD

GT10 ··· When connected via RS-323 or RS-422; GT115 ··· GDBD

GT10 ··· When connected via RS-323 or RS-422; GT115 ··· GDBD

GT10 ··· When connected via RS-323 or RS-422; GT115 ··· GDBD

GT10 ··· When connected via RS-323 or RS-422; GT115 ··· GDBD

GT10 ··· When connected via RS-323 or RS-422; GT115 ··· When connect

The GOT1000 series allows connection to Mitsubishi PLCs and a variety of other FA devices. ■GT SoftGOT1000 Version3 Connectable Device List

[PLCs/motion controllers]

Mitsubishi PLCs and motion controllers

itsubishi PLC			ontro		Connection	on configura			
Series	Model name	CPL	J direct nection	Computer link	MELSECNET/ H ⁸¹	MELSECNET/ 10*2	CC-Link IE Controller Network	CC-Link IE Field Network	Ethernet
	Q00JCPU Q00CPU *3								
	Q01CPU *3	USB connec	tion						
IELSEC-Q series	Q02HCPU *3 Q06HCPU *3] _	_					_
Q mode)	Q12HCPU *3		0	0	O*5	O*5	0	×	0
	Q25HCPU *3 Q02PHCPU	0							
	Q06PHCPU Q12PHCPU	Ĭ							
Redundant system	Q25PHCPU Q12PRHCPU	-		×	O*5*6*12	O*5*6	0	×	0
(main base) Redundant system	Q25PRHCPU Q12PRHCPU	<u> </u>			-	_	-		
(extension base)	Q25PRHCPU Q00UJCPU	×	X	0	×	×	×	×	0
	Q00UCPU Q01UCPU								
	Q02UCPU								
	Q03UDCPU Q04UDHCPU	0	0	0	0	0	0	0	0
	Q06UDHCPU Q10UDHCPU								
	Q13UDHCPU Q20UDHCPU								
	Q26UDHCPU Q03UDECPU								
	Q04UDEHCPU Q06UDEHCPU	1							
	Q10UDEHCPU Q13UDEHCPU	0	×	0	0	0	0	0	0
	Q20UDEHCPU Q26UDEHCPU	Ĭ		ľ					
	Q50UDEHCPU								
IELSEC-QS series	Q100UDEHCPU QS001CPU	0	X	X	0	0	0	Х	0
MELSEC-Q series A mode)	Q02CPU-A Q02HCPU-A		0	0	×	0	×	×	0
,	Q06HCPU-A L02CPU	\vdash							
MELSEC-L series	L26CPU-BT L02CPU-P	0	O*14	0	×	×	×	0	0
	L26CPU-PBT WS0-CPU0	\vdash							
MELSEC-WS series controller	WS0-CPU1 Q12DCCPU-V *16		X	X	X	X	X	X	X
	Q2ACPU (-S1) Q3ACPU					Ť	Ť		
MELSEC-QnA series QnACPU type)	Q4ACPU Q4ARCPU		0	0*4	×	0	×	×	O*4
IELSEC-QnA series	Q2ASCPU (-S1)		_						
QnASCPU type)	Q2ASHCPU Q2ASHCPU-S1		0	0*4	×	0	×	×	O*4
	A2UCPU (-S1) A3UCPU								
	A4UCPU A2ACPU (-S1)								
	A2ACPUP21 (-S1) A2ACPUR21 (-S1)	1							
	A3ACPUP21	1							
MELSEC-A series AnCPU type)*10	A3ACPUR21 A1NCPU	1	O*7	0	×	0	X	X	0
,,,,	A1NCPUP21 A1NCPUR21								
	A2NCPU (-S1) A2NCPUP21 (-S1)								
	A2NCPUR21 (-S1)								
	A3NCPUP21								
	A3NCPUR21 A2USCPU (-S1)	\vdash							
	A2USHCPU-S1 A1SCPU	1							
MELSEC-A series	A1SCPUC24-R2 A1SHCPU	1	O*7	0	×	0	×	×	0
AnSCPU type)*10	A2SCPU (-S1) A2SHCPU (-S1)	1		_				^	
	A1SJCPU (-S3) A1SJHCPU								
	A0J2HCPU A0J2HCPUP21								
	A0J2HCPUR21		O*7	0	×	×	X	X	0
IELSEC-A	A0J2HCPU-DC24 A2CCPU A2CCPUP21		O#7	.,	~	V	v	V	
eries*10	A2CCPUR21 A2CCPUC24	_	O*7	×	X	×	×	×	×
	A2CCPUC24-PRF		O*7	0	×	×	X	X	X
	A2CJCPU-S3 A1FXCPU		O *7	X	×	×	X	X	X
	Q172CPU (N) Q173CPU (N)								
lotion ontroller CPU	Q172HCPU Q173HCPU	1	×	×	×	×	×	×	×
a series)	Q172DCPU (-S1) Q173DCPU (-S1)	USB conne	ction						
lotion	Q170MCPU *13 A273UCPU	0	V 0	0 X	0	O ×	0 X	X	0 ×
ontroller CPU A series/large type)	A273UHCPU (-S3) A373UCPU (-S3)		○ #8	Ô	X	Ô	X	X	Ô
fotion	A171SCPU (-S3) A171SCPU-S3N		X	X	×	×	X	X	X
ontroller CPU*10	A171SHCPU (N)								
A series/small type)	A172SHCPU (N) A173UHCPU (-S1)		O*8	0	×	0	×	×	0
	FX0S FX0N								
	FX1S FX1N		0						×
MELSEC-FX eries	FX1NC FX2N			×	×	×	×	×	_ ^
	FX2NC FX3G	0	0						
	FX3U FX3UC		0	1					0
MELSECNET/H	QJ72LP25-25 QJ72LP25G	×	_	v	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		×	×	
emote I/O station	QJ72BR15		0	×	×	×		- 1	×
letwork head unit C-Link IE Field Network	LJ72GF15-T2	0	X	0	X	X	X	0	X
thernet adaptor unit*15	NZ2GF-ETB	Х	X	X	X	X	X	X	0
ladulaa ua	ahla wham					M:+k		DI 0-	

Modules usable when connected with Mitsubishi PLCs ■ For computer link connection

CPU series	Serial communication module/computer link modu
MELSEC-Q series (Q mode)	QJ71C24(-R2)/QJ71C24N(-R2)/QJ71CMO(N)
MELSEC-Q series (A mode)	A1SJ71UC24-R2/A1SJ71C24-R2
MELSEC-L series/CC-Link IE Field Network	LJ71C24 (-R2)
MFI SEC-OnA series	AJ71QC24(-R2)/AJ71QC24N(-R2)/
WEEGEG-GITA SETTES	A1SJ71QC24(-R2)/A1SJ71QC24N(-R2)
MELSEC-A series	AJ71C24-S8/AJ71UC24/A1SJ71C24-R2/A1SJ71UC24-R2

*: Only RS-232 communication is possible

■ For MELSECNET/H and MELSECNET/10 connection

Use a network unit applicable to the network board used for GT SoftGOT1000. The network boards that can be used with GT SoftGOT1000 are shown on the right. Q80BD-J71BR11 (coaxial loop), Q80BD-J71LP21-25 (optical loop) and

■ For CC-Link IE Controller Network connection

Use a network unit applicable to the network board used for GT SoftGOT1000. The network boards that can be used with GT SoftGOT1000 are shown on the right. Q80BD-J71GP21-SX and Q80BD-J71GP21S-SX

■ For CC-Link IE Field Network connection

Use a network unit applicable to the network board used for GT SoftGOT1000. The network boards that can be used with GT SoftGOT1000 are shown on the right. Q81BD-J71GF11-T2

■ For Ethernet connection

	CPU series	Ethernet module
	MELSEC-Q series (Q mode)/MELSEC-QS series	QJ71E71-100/QJ71E71-B5/QJ71E71-B2/QJ71E71
		AJ71QE71N3-T/AJ71QE71N-B5/AJ71QE71N-B2/AJ71QE71N-T/
	MELSEC-QnA series	AJ71QE71N-B5T/AJ71QE71/AJ71QE71-B5/A1SJ71QE71N3-T/
		A1SJ71QE71N-B5/A1SJ71QE71N-B2/A1SJ71QE71N-T/
		A1SJ71QE71N-B5T/A1SJ71QE71-B5/A1SJ71QE71-B2
	MELSEC-Q series (A mode)/	AJ71E71N3-T/AJ71E71N-B5/AJ71E71N-B2/AJ71E71N-T/
	MELSEC-A series/	AJ71E71N-B5T/AJ71E71-S3/A1SJ71E71N3-T/A1SJ71E71N-B5/
	Motion controller CPU (A series)*	A1SJ71E71N-B2/A1SJ71E71N-T/A1SJ71E71N-B5T/
	Wollon Controller CPO (A Series)	A1SJ71E71-B5-S3/A1SJ71E71-B2-S3

: Only the device ranges within AnACPU specifications are supported.

Third party PLCs

Manuel	acturer	Model name		ection configuration					
manul			CPU direct connection (RS-232)	Computer link (RS-232)	Ethernet				
,	Micro PLC	CPM2A	0	_					
		C200HX							
		C200HG	j i		_				
		CQM1	j l						
		CQM1H]						
		CS1H	J I						
Small-size PLC		CS1G	J I						
		CS1D] 0	_					
		CJ1H]		O*18				
0		CJ1G	J I						
		CJ1M	J I						
		CJ2H							
		CJ2M	○ *17						
		CP1E (N type)	0		_				
		CV500	l l						
Large-size		CV1000		_	_				
	PLC	CV2000]						
		CVM1							
		GL120		×					
		GL130	Ŭ	^	1				
		GL60S							
		GL60H] ×	0	×				
		GL70H			1				
		CP-9200SH	×	0	1				
Yaskawa F	loctric	CP-9300MS	J I	×					
I dokawa L	iocuic	MP920	J l	0	0				
		MP930							
		MP940] ~	×	×				
		PROGIC-8	J I	^^					
		CP-9200 (H)							
		MP2200	. × 1	0	0				
		MP2300	^`		$\overline{}$				
		F3SP05 F3SP38							
		F3SP08 F3SP53	1		I				
		F3FP36 F3SP58	1		_				
Yokogawa Electric	F3SP21 F3SP59	-	_	0					
	F3SP25 F3SP66	1		I					
		F3SP35 F3SP67	1		I				
		F3SP28	1		I				

Modules usable when connected with PLCs made by the OMRON Corporation ■ For Ethernet connection

Ethernet unit	CS1W-ETN21, CS1D-ETN21D, CJ1W-ETN21
Modules usable when connected wit	h PLCs made by the Yaskawa Electric Corporation —

MEMOBUS module/communication module

JAMSC-IF60, JAMSC-IF61, CP-217IF, 217IF-01, 217IF, 218IF-01

■ For Ethernet connection Communication module

218IF, 218IF-01 Modules usable when connected with PLCs made by the Yokogawa Electric Corporation –

■ For Ethernet connection

Ethernet interface module	F3LE01-5T, F3LE11-0T, F3LE12-0T

[CNCs] Mitsubishi CNCs

		Connection configuration											
Series	Model name	CPU direct connection		MELSECNET/ H*1	MELSECNET/	CC-Link IE Controller Network	CC-Link IE Field Network	Ethernet					
CNC C70	Q173NCCPU	O*11	0	0	0	0	0	0					
MELDAS C6/C64	FCA C64	O*9	×	×	×	×	×	O*9					

Usable units when connected to the MELDAS C6/C64 -■ For Ethernet connection

MELDAS C6/C64	FCU6-EX875
obot] Mitsubishi Industrial	Robots
	Connection configuration

Ethernet module

[Ro

CPU series

	Connection configuration										
	CPU direct connection		MELSECNET/ H*1	MELSECNET/ 10*2	CC-Link IE Controller Network	CC-Link IE Field Network	Ethernet				
CRnQ-700	0*11	0	0	0	0	0	O*19				
CRnD-700	\times	×	×	×	×	\times	0				

- *** : Use a MELDAS C6/C64 of the following NC system software version.

 ** NC system software version Do relater
 **10 : Computer link unit software version Do relater
 **10 : Computer link unit software version U or slater must be used for the A2SCPU, A2SHCPU, A1SHCPU, A1SHCPU,
 A0/24*CPU, A1 T3*HCPU and A1**/25*HCPU computer link connection.

 A0/24*CPU, A1 T3*HCPU and A1**/25*HCPU computer link connection.

 11 : Accessing 01SNCPU, CRN0-700 must be performed via USB or RS-232 of QCPU in the multi-CPU system.

 **12 : MELSECNETH extension mode cannot be used.

 **13 : Only the PLC unit (No.1) of 0170MCPU can be connected. The peripheral I/F cannot be used.

 **14 : For connection through RS-232. L6ADP-R2 is required.

 **15 : Host station monitoring is not possible.

 **16 : Use a CPU with the first 5 digits of the serial No. are 12042 or higher.

 **17 : Only the C2!M-CPU!* can be connected.

 **18 : Not applicable to duplex Ethernet

 **19 : The CRn0-700's DISP I/F cannot be used. Access the controller via the Ethernet module or the Ethernet port of the QCPU of a multi-CPU system.

[MODBUS® devices]

Connection to all MODBUS®/TCP slave devices is possible by using the MODBUS/TCP communication driver. For details regarding operation-verified MODBUS® devices, refer to Technical Bulletin No. GOT-A-0037 (List of Valid Devices Applicable for GOT1000 Series MODBUS® Connection).

Function list

GT1	GT15 GT12 GT SoftGOT	Model	GT11 GT10 5 № ∰ ₽
Category	ptional funct operational funct operational funct operational funct operational funct operational funct operational funct operation functional	-XTBSTBSTBVTBVNBSTBVTBVNBVTBD -VNBVTBD -XTB_	SVGA VGA VGA VGA VGA VGA VGA VGA VGA VGA
	Mitsubishi PLC bus connection Mitsubishi PLC CPU direct connection Mitsubishi PLC computer link connection Mitsubishi PLC MELSECNET/I0 connection Mitsubishi PLC MELSECNET/10 connection	5 12.1 10.4 10.4 10.4 8.4 8.4 8.4 5.7 6.5 15 15 12.1 12.1 12.1 12.1 12.1 12.1 1	
uration	Misubishi PLC CC-Link IE Field Network connection Misubishi PLC CC-Link IE Field Network connection Mitsubishi PLC CC-Link Connection		
on config	(ID station/via G4) Mitsubishi PLC Ethernet connection *10 Third party PLC connection Microcomputer connection	P.65	Via G4 only Via G4
Connecti	MODBUS®/TCP connection MODBUS®/TCP connection Temperature controller connection		
	Inverter connection Servo amplifier connection CNC connection		
NO.	Standard memory capacity Total memory capacity when using	P.49	9MB 9MB 5MB 9MB 5MB 9MB 6MB 6MB 57MB
Ž.	optional memory (standard + optional) offs only optional memory (standard + optional memory (standard + optional memory (stand	57MB 57MB 57MB 53MB 57MB 53MB 57MB 53MB 57MB 57MB <td< td=""><td>57MB 57MB 53MB 57MB 53MB 57MB -</td></td<>	57MB 57MB 53MB 57MB 53MB 57MB -
a contract of the contract of	4,096 colors 256 colors	GT1675	GT1575
o velusion	16 colors Monochrome (black/white) 16 gray scales	GT1672	
	Monochrome (black/white) 2 colors Monochrome (blue/white) 16 gray scales		CLBD only CLBD only CLBD only HS OLBD only
	1920 x 1200 dots (WUXGA) (max. at specified resolution) 1600 x 1200 dots (UXGA) 1280 x 1024 dots (SXGA)		
roiting a	1024 x 768 dots (XGA) 800 x 600 dots (SVGA) 640 x 480 dots (VGA)		- GT1555- • •
ations	320 × 240 dots (QVGA) 288 × 96 dots	P.52-	GTISG
re specific	160 x 64 dots RS-232 interface RS-422 interface RS-422/232 interface		*5 *5 *5 *5 *5 ·
Hardwa	RS-422/485 interface Bus interface		
ri-fi	Ethernet interface USB host USB device USB device		
<u> </u>	Optional function board interface Extension interface Multimedia & Video/RGB interface	2ch 2ch 2ch 2ch 2ch 2ch 2ch 2ch 2ch 2ch	2ch 2ch 2ch 2ch 1ch
	Video/RGB interface Vertical display		Ny GT1575V only
	Clock function (Battery) Buzzer output (Buttery) Human sensor Printer Required (Printer unit)		P.52~
O. stadto	CF card unit (CF card extension unit) CF card unit (CF card extension unit) CF card unit (CF card unit) CF card unit (CF card unit) CF card unit (CF card unit) CF card unit (CF card unit) Required Sound output unit		
	External input/output Video input / RGB input / RGB output USB mouse/keyboard connection Required Pequired Pequired Video/RGB unit USB mouse/keyboard connection	P.32	
	Backlight OFF detection function Start from CF card Require CF card C		
unctions	Description 1	P.39	(CF card) P.39 46
lain unit f	Multi-channel function (cf15 orb) Gateway function Required (CF card) MES interface function Required (CF card)	P.35 Up to 4ch U	th Up to 4ch Up to 2ch Up to 2ch Up to 2ch Up to 2ch Up to 4ch Up
2	File transfer function (FTP client) Required (CF card/USB memory < GT16 only>)	P.34	P.27, 34 P.34
en design	Dialog window display BMP image display Graphic JPEG image display	P37	P3/
%1 · The	drawing DXF data IGES data IGES data Ifunction details, such as the number of settings and the data storage destination		use the historical data list display and the historical trend graph, it is necessary to specify the logging function in advance. In addition, it is necessary to install the optional function OS (logging).

70

71

For Initial Startup & Operations

For Maintenance Personnel

iQ Platform

MELSEC Process Specifications, Control External Dimension

^{#1 :} The function details, such as the number of settings and the data storage destination, vary depending on the model.

#2 : An optional function board may be required depending on the model, function version or hardware version of the GOT main unit. The optional function board to be used varies depending on the required function. For details, see "Notes for use" (page 81).

For the GT10 and GT SoftGOT1000, it is unnecessary to install an optional function board or the extended/optional function OS.

#3 : Necessary optional units, CF cards and USB memory devices other than the optional function board are shown. Parenthesized devices will be required depending on conditions of use. For details, see "Notes for use" (page 81).

#4 : For details, see "GT10" (page 48), "Handy GOT" (page 24) and "GT SoftGOT1000" (page 26).

#5 : The R5-322 interface can be used as an RS-422 interface by connecting an RS-422 conversion unit.

#6 : Structural restrictions are applied.

#7 : Only user alarms can be used.

^{*8 :} To use the historical trail data list display and the historical trend graph, it is necessary to specify the logging function in advance. In addition, it is necessary to install the optional function OS (logging).

*9 : Read from the PLC clock.

*10 : Different connection configurations may require different communication units. For details, see the GOT1000 Series Handbook and the GOT1000 Series Connection Manual.

*11: For the compatible hardware versions, please contact your local sales office.

*12 : Only CPU direct connection and Ethernet connection are supported.

*13: Only the FTP server function is supported.

Function list

GT1	16	GT15 GT12 GT Soft	tGOT																							GT11 GT1	0							_
ory			In ction ** ** ** ** ** ** ** ** **	age					G	T16	,			Model				GT15						GT12	GT	*2 *2 *2 *2 *2 *2 *2 *2 *2 *2 *2 *2 *2 *	age		GT11		Model	GT10		
Catego		Function*1	Optional fuboard board cxtended/option Sx installation Other necessar	Details pa	GT1695M -XTB XGA 15"	GT1685M -STB SVGA 12.1"	SVGA	OT1675I -VTB VGA 10.4"	GT167 -VNB VGA 10.4	-STB_ SVGA	-VTB VGA	-VNB VGA		GT1665 HS-VTBD VGA*4 6.5"			-STB_ SVGA	-STB_ -\ SVGA	VTB∐ -V	NB∐ -\ ′GA	/TB∐ -VI	NBL -L 'GA VGA/0	JBD -VNE		SoftGOT 1000 Version3	Optional functional fu	Details pa	-Q BD QVGA	-Q BD	HS-Q BD QVGA*4	-Q_BD	-Q BD -I	GT1030 -HB (W)(2) -LB (W	W)(2)
		Standard (Japanese, Japanese (supporting European langua Chinese (Simplified, supporting European langua Chinese (Simplified, supporting European langua	ges),		•	•	•	•	•	•	•	•	•	•	•		•	•		•		•			•	01100000	Т	•	•	•	•	•	• •	
		Chinese (Traditional, supporting European langua Standard Chinese (Simplified), Chinese (Tradition fonts (optional)	nal),		•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	• •	-	_	•			† -	-	_	_	- 1		_
	Įį į	High-quality font TrueType font, TrueType font (7 segmen			•	•	•	•	•	•	•	•	•	•	•		•	•		•			•		•			•	•	•	•	•	• •	
	Spe	Windows® font Stroke basic font (extended)	Required		•	•	•	•	•	•	•	•	•	•	•		•	•		•		• •	-	•	•			_	_	_	-	_		
	I	Stroke font (optional) Logo character function	Required		•	•	•	•	•	•	•	•	•	•	•		•	•		•		• •	_	-	•			-	-	-	-	-	 • •	,
		Parts (object + figure) layer function Station No. switching			•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	• •		•	•			_	_	_	_ 	_		
	ŧ.	Multilingual support function Password		P.36	•		•	•	•	•			•	•	•		•	•	•	•	•	-		•	•		P.36	•				•)
	ا ۾	Boot logo Data operation function			•		•	0		•	•		0	•	0		•	•	•	•	•	• •		•	•			•	•	•	•	•	• •)
	E	Offset function Security level authentical Security			•								•		•		•	•							•						•			
		function Operator authenticat	ion Required (CF card/ USB memor <gt16 only:<="" td=""><td>v P.41 l</td><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td><td></td><td>•</td><td>•</td><td>•</td><td>•</td><td>•</td><td>• •</td><td>-</td><td>-</td><td>•</td><td></td><td>P.41</td><td>- 1</td><td>-</td><td>_</td><td>-</td><td>-</td><td>- -</td><td></td></gt16>	v P.41 l	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	• •	-	-	•		P.41	- 1	-	_	-	-	- -	
		Lamp display Touch switch				•	•	•	•	•	•		•	•	•		•	•	•	•	•	• •		•	•				•		•	•	• •)
	I	Numeric display/input Data list display Historical data list display#8	Domina AR	P.40				•					•	•	•		•	•	•		•	• •		•	•			•	•	•	_	_		
	1	Historical data list display ^{≉8} ASCII display/input Kana-Kanji Normal vers	Required**	P.40	-	-	-	-	-	-	-	-	-	-	•				•		•			_	•			•	•	•	•	•	• •	
	(conversion function Enhanced vers Clock display			•	•	•	•	•	•	•	•	•	•	•		•		•		•	•	_	_	•			-	-	-	-	-		
r g	gg	Comment display	(CF card) D.40	•	•	•		•	•	•	•	•	•	•		•	•		•		•	•	•	•		P.43	•	•	•		•	• •	
n des	# L	Extended alarm monitoring/display Alarm display	(Battery)	P.43											•		•	•		•					•		P.43	•		•	* 7	* 7	● *7 ●	*7
Scree	id	Alarm history display Floating alarm display	(CF card)		_	_	_	-	-	_	_	_	_	_	-		-	-	-	-	-			_	_	(CF card)	•	•	•	•	•	0 0)
	1	Parts display Parts movement	(CF card)		•										•		•	•	•	•	•	•		•	•						_	_		-
	ı	Panel meter display Level display Trand graph/line graph/Par graph/Statistical gr	anh		•								0	•	0		•	•	•	•	•	•		•	•			•	•		-	<u> </u>		-
		Trend graph/Line graph/Bar graph/Statistical gra Historical trend graph* ⁸ Scatter graph	Required*8	P.40											•		•		•		•	-		•	•		P.40	_	-	-	_			
	3	Status observation function Advanced recipe function	Required (CF card)	P.37	•	0	•	•	•	•	•	0	•	•	•		•	•		•	•	•	-		•		P.37	-	-	-	_	-		
-		Recipe function Report function	Required (CF card)		•	•	•	•	•	•	•	•	•	•	•		•	•		•		• •	•	•	•	Required		•	•	•	•	•	• •	
	h	Hardcopy File saving in CF ca			•	•	•			•	•		•	•	•		•	•	•	•	•	•		_	•			_	-	_	-	-		
	I	function Printing on prin	Required	P.33			•		•		•		•	_	•		•	•	•	•	•	•	_		•	Required	P.33	-		_	•	•	• •	
		RFID function Multimedia function	Required Multimedia ur Required CF card		•	•	•	•	_	•	•	_	_	_	_		_	_	_	_	_			_	_	Required	P.32	_	_	_	_	_		
		Remote personal computer function (Ethern	net) Required License	P.34	•	•	•	•	_	•	•	-	•	_	_		_	-	-	-	-	- -	- -	_	_		P.34	#=	-	_	-			_
	<u> </u>	Remote personal computer function (seri Operation panel function	ial) Required input unit Required External input output unit	P.34	•	•	•	•	-	•	•	-	-	_	-		T1585V only (GT1575V only	-	•	•				-		P.34	-	-	_	_			
	0	Operation log function	Required CF card	P.41	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	_	-	•		P.41	-	-	-	-	-		
	-	Document display function Logging function	(GT15 only) Required CF card		•	•	•	•	•	•	•	•	•	•	•		•	•		•		• •		-	•		P.33 P.40		_	_	_	_		
	-	Log viewer function	(Battery)	P40											_		_	_	_	_	_			_	_		P.40		_	_	_	_		
	-	Script function Project script/Screen sc		P.37	•	•	•	•	•	•	•	•	•	•	•		•						•	•	•		P.37	•	•	•	-	-		
		Object sci Device data transfer function Device monitor function	ript Required Required	P.33	•	•	•	•		•	•		•	•	•		•	•				• •			•		P.33			_	-	-	 	
	;	System monitor function	Required	P.46	•	•	•			•	•			•	•		•						•		-	Required	P.46	•	•	1	-	-		
		List editor for A List editor for FX	Required Required	P.47	•	•	•	•	•	•	•	•	•	•	•		•	•				•			_	Required Required	P.47	•	GT115 Q BDA only	•	-	-		
		SFC monitor function	Required*2 (GT15 only) Required CF card	P.44	•	•	•	•	•	•	•	•	•	•	•		•					GT1: VTBD		-	_		P.44		-	-	-	-		_
ctions	ı	Motion SFC monitor function	Required ^{®2} (GT15 only) Required CF card	P.45	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	GT1: VTBD	555- 0 only	_	-		P.45	_	_	-	-	-		
ce fun	I	Ladder editor function	Required CF card		•	•	•	•	•	•	•	•	_	•	•		•	•	•	•	•	• -		_	_		P.45	_	_	_	_		_ -	_
tenan		Ladder monitor function	Required*2 (GT15 only) Required (CF card)	P.44 P.46	•	•	•	•	•	•	•	•	•	•	•		•	•		•		GT1:			-		P.44 P.46		-	-	-	-		
Main	(Q motion monitor function Servo amplifier monitor function	Required Required Required	P.46 P.47				•	•									•	•	•	•	•			_ _ _		P.46 P.47	+=	<u> </u>	_	_	_		
		Network monitor function CNC monitor function	Required Required	P.46				-	_		-	-	-	-	•		•								_		P.46	_	-	-	-	_		
	(CNC data input/output function Backup/restoration function	Required USB memor Required <gt16 only:<="" td=""><td>v —</td><td>•</td><td>•</td><td>•</td><td>-</td><td>-</td><td>•</td><td>-</td><td>-</td><td>-</td><td>-</td><td>•</td><td></td><td>•</td><td>•</td><td>-</td><td>-</td><td>-</td><td></td><td></td><td>_</td><td>_ _</td><td></td><td>P.47 P.42</td><td>_ _</td><td>_ _</td><td>_ _</td><td>_ _</td><td></td><td></td><td></td></gt16>	v —	•	•	•	-	-	•	-	-	-	-	•		•	•	-	-	-			_	_ _		P.47 P.42	_ _	_ _	_ _	_ _			
		MELSEC-L troubleshooting function Maintenance time notification function	Required	P.46	•	•	•	•	•	•	•		•	•	-		-	-	-	-	-		- -		_ _		P.46 P.38	_	_ _	_ _				_
*1 : Th	he fund	tion details, such as the number of setting	as and the data storage dest	ination, vary	depending o	on the mode	el.									*6	6 · Struc	tural restrict	ione are an	nlied														

72

73

For Initial Startup & Operations

iQ Platform

^{*1 :} The function details, such as the number of settings and the data storage destination, vary depending on the model.

*2 : An optional function board may be required depending on the model, function version or hardware version of the GOT main unit. The optional function board to be used varies depending on the required function. For details, see "Notes for use" (page 81).

For the GT10 and GT SoftGOT1000, it is unnecessary to install an optional function board or the extended/optional function OS.

*3 : Necessary optional units, CF cards and USB memory devices other than the optional function board are shown. Parenthesized devices will be required depending on conditions of use. For details, see "Notes for use" (page 81).

⁽page 81).

44 : For details, see "GT10" (page 48), "Handy GOT" (page 24) and "GT SoftGOT1000" (page 26).

55 : The RS-232 interface can be used as an RS-422 interface by connecting an RS-422 conversion unit.

^{*6 :} Structural restrictions are applied.
*7 : Only user alarms can be used.
*8 : To use the historical data list display and the historical trend graph, it is necessary to specify the logging function in advance. In addition, it is necessary to install the optional function OS (logging).
*9 : Read from the PLC clock.
*10: Different connection configurations may require different communication units. For details, see the GOT1000 Series Handbook and the GOT1000 Series Connection Manual.
*11: For the compatible hardware versions, please contact your local sales office.
*12: Only CPU direct connection and Ethernet connection are supported.
*13: Only the FTP server function is supported.

		model		me X T B A										
	Code	Screen size	Cod	e Display colors	Code	Mounting type	Cod	e Resolution	Code	e Display device	Code	Power sup	ply	Code Communication interface
	9	15"	_ 5	256 colors or more	V	Compatible wirh video/RGB	Х	XGA		TFT color	_ A 1	00 to 240V	AC	O*1 With built-in bus connection interface for QCPU
	8	12.1"	_ 2	16 colors	None	Panel mount type	^	(1024 × 768 dots)	Т	(high brightness,	D	24VDC	_	(Q mode)/motion controller CPU (Q series)
	7	10.4"	0	Monochrome	HS	Handy type	S	SVGA		wide viewing angle)	L	5VDC		A*1 With built-in bus connection interface for
	6	8.4", 6.5"			М	Compatible with	3	(800 × 600 dots)	N	TFT color			_	QnA/ACPU/motion controller CPU (A series)
	5	5.7"			IVI	multimedia & Video/RGB	V	VGA	S	STN color				2*2 With built-in RS-232
	4	4.7"					V	(640 × 480 dots)	В	STN monochrome			N	one*2 With built-in RS-422
	3	4.5"						QVGA	В	(blue/white)			*	1: GT115 QBDQ and
	2	3.7"					Q	(320 × 240 dots)	L	STN monochrome				GT115□-Q□BDA only
							Nan	(288 × 96 dots)	Н	STN monochrome			*	2: GT10 only
GT16	High p	erformance mo	dels w	ith multimedia and	a host of f	eatures and functions	Non	e (160 × 64 dots)	Н	(White/black, high contrast)				
GT15		rmance mode ork or standal		al for a wide rang	e of app	lications in a					unit frame Black	Code		backlight backlight
GT12	Large	basic model	s with	integrated feature	es and c	ommunications					White	None		
GT11				of advanced fun						VV	vvriite	None	Green	backlight
						-								

* For inquiries relating to products which conform to UL, cUL, and CE directives and shipping directives, please contact your local sales office.

GOT main units

GT10 Compact models with basic functions

	Mod	lel name	Screen size [resolution]	Display	Display colors (number of colors)	Power supply	Memory size	Remarks
		GT1695M-XTBA	15" XGA	TFT color LCD	(Hulliber of colors)	100-240VAC	3120	Composible with
	GT1695	GT1695M-XTBD	[1024 × 768 dots]	(high brightness, wide viewing angle)	65,536 colors	24VDC	15MB	Compatible with multimedia & Video/RGE
			12.1" SVGA	TFT color LCD		100-240VAC		
	GT1685	GT1685M-STBA GT1685M-STBD	[800 × 600 dots]	(high brightness, wide viewing angle)	65,536 colors	24VDC	15MB	Compatible with multimedia & Video/RGI
		GT1675M-STBA	10.4" SVGA	TFT color LCD		100-240VAC		Compatible with
		GT1675M-STBD	[800 × 600 dots]	(high brightness, wide viewing angle)	65,536 colors	24VDC	15MB	multimedia & Video/RGI
		GT1675M-STBD	[800 × 800 dots]	TFT color LCD		100-240VAC		
		GT1675M-VTBD		(high brightness, wide viewing angle)	65,536 colors	24VDC	15MB	Compatible with multimedia & Video/RG
	GT167	GT1675-VNBA*1	10.4" VGA	(rlight brightness, wide viewing arigie)		100-240VAC		Illulullleula & Video/hd
T16			[640 × 480 dots]	TFT color LCD	4,096 colors	24VDC	11MB	_
1110		GT1675-VNBD*1 GT1672-VNBA*1	[[040 × 400 dols]			100-240VAC		
		GT1672-VNBD*1		TFT color LCD	16 colors	24VDC	11MB	_
		GT1665M-STBA	8.4" SVGA	TFT color LCD		100-240VAC		Compatible with
		GT1665M-STBD	[800 × 600 dots]	(high brightness, wide viewing angle)	65,536 colors	24VDC	15MB	
		GT1665M-VTBA	[600 × 600 dots]	TFT color LCD		100-240VAC		multimedia & Video/RG Compatible with
	GT166	GT1665M-VTBD	8.4" VGA	(high brightness, wide viewing angle)	65,536 colors	24VDC	15MB	
			[640 × 480 dots]	(High brightness, wide viewing angle)		100-240VAC		multimedia & Video/RG
		GT1662-VNBA*1	[040 × 400 dots]	TFT color LCD	16 colors	24VDC	11MB	_
	CT16EE	GT1662-VNBD*1	E 7" VCA [640 v 490 dota]	TFT color LCD (high brightness, wide viewing angle)	CE EOC solore	24VDC	15MD	
	GT1655	GT1655-VTBD*1	5.7" VGA [640 × 480 dots]	TFT color LCD (riigh brightness, wide viewing angle)	65,536 colors	24VDC 24VDC	15MB	
	Handy GOT	GT1665HS-VTBD*1	6.5" VGA [640 × 480 dots]	1 0 0 1	65,536 colors	100-240VAC	15MB	
	GT1595	GT1595-XTBA		TFT color LCD (high brightness, wide viewing angle)	65,536 colors	24VDC	9MB	-
		GT1595-XTBD	[1024 × 768 dots]					Composible with
		GT1585V-STBA	40.411.01/04	TFT color LCD		100-240VAC	-	Compatible with
	GT1585	GT1585V-STBD	12.1" SVGA	(high brightness, wide viewing angle)	65,536 colors	24VDC	9MB	Video/RGB
		GT1585-STBA	[800 × 600 dots]	TFT color LCD		100-240VAC	-	_
		GT1585-STBD		(high brightness, wide viewing angle)		24VDC		
		GT1575V-STBA		TFT color LCD		100-240VAC	4	Compatible with
		GT1575V-STBD	10.4" SVGA	(high brightness, wide viewing angle)	65,536 colors	24VDC	9MB	Video/RGB
		GT1575-STBA	[800 × 600 dots]	TFT color LCD		100-240VAC	1	
		GT1575-STBD		(high brightness, wide viewing angle)		24VDC		
	GT157	GT1575-VTBA		TFT color LCD	65,536 colors	100-240VAC	9MB	
T15		GT1575-VTBD		(high brightness, wide viewing angle)		24VDC	-	_
		GT1575-VNBA	10.4" VGA	TFT color LCD	256 colors	100-240VAC	5MB	
		GT1575-VNBD	[640 × 480 dots]			24VDC		
		GT1572-VNBA		TFT color LCD	16 colors	100-240VAC	5MB	
		GT1572-VNBD				24VDC		
		GT1565-VTBA		TFT color LCD	65,536 colors	100-240VAC	9MB	
	GT156	GT1565-VTBD	8.4" VGA	(high brightness, wide viewing angle)		24VDC		_
		GT1562-VNBA	[640 × 480 dots]	TFT color LCD	16 colors	100-240VAC	5MB	
		GT1562-VNBD				24VDC	_	
		GT1555-VTBD	5.7" VGA [640 × 480 dots]	TFT color LCD	65,536 colors			
	GT155	GT1555-QTBD	5.7" QVGA	(high brightness, wide viewing angle)	,	24VDC	9MB	_
		GT1555-QSBD	[320 × 240 dots]	STN color LCD	4,096 colors			
		GT1550-QLBD		STN monochrome LCD	Monochrome (black/white) 16 gray scales			
	GT1275	GT1275-VNBA	10.4" VGA			100-240VAC	1	
T12		GT1275-VNBD	[640 × 480 dots]	TFT color LCD	256 colors	24VDC	6MB	_
_	GT1265	GT1265-VNBA	8.4" VGA			100-240VAC		
		GT1265-VNBD	[640 × 480 dots]			24VDC		
		GT1155-QTBD						
		GT1155-QTBDQ		TFT color LCD				Dedicated to Q bus connect
	GT1155	GT1155-QTBDA			256 colors			Dedicated to A bus connect
	G	GT1155-QSBD			200 00:0:0			_
		GT1155-QSBDQ	5.7" QVGA	STN color LCD				Dedicated to Q bus connect
Г11		GT1155-QSBDA	[320 × 240 dots]			24VDC	3MB	Dedicated to A bus connecti
		GT1150-QLBD	[020 × 240 dots]		Monochrome (black/white)			_
	GT1150	GT1150-QLBDQ		STN monochrome LCD	16 gray scales			Dedicated to Q bus connecti
		GT1150-QLBDA			0 /			Dedicated to A bus connecti
	Handy	GT1155HS-QSBD		STN color LCD	256 colors			
	GOT	GT1150HS-QLBD		STN monochrome LCD	Monochrome (black/white) 16 gray scales			
		GT1055-QSBD	5.7" QVGA	STN color LCD	256 colors	24VDC	3MB	
	CT10E	G11000 G0DD						_
T10	GT105	GT1050-QBBD	[320 × 240 dots]	STN monochrome LCD	Monochrome (blue/white) 16 gray scales	24400	SIVID	
T10	GT105 GT104		[320 × 240 dots] 4.7" QVGA	STN monochrome LCD STN color LCD	Monochrome (blue/white) 16 gray scales 256 colors	24VDC	3MB	_

GOT main units

	Mod	el name	Screen size [resolution]	Display			y colors of colors)	Power supply	Memory size	Remarks
		GT1030-HBD*1 (VEV)			Frame color		3-color LED	24VDC		Dedicated to RS-422 connection
		GT1030-HBD2*1					1	24000		Dedicated to RS-232 connection
		GT1030-HBL*1 (VEV)	4.5"	STN monochrome LCD		Monochrome	(green, orange, red)	5VDC	1.5MB	Dedicated to RS-422FX connection
		GT1030-HBDW*1 (VEV)	[288 × 96 dots]	(High contrast)	Black	(black/white)	3-color LED	24VDC	1.JIVID	Dedicated to RS-422 connection
		GT1030-HBDW2*1 (VEV)					(white, pink, red)	_		Dedicated to RS-232 connection
	GT1030	GT1030-HBLW*1 (VEW)					(write, pirik, reu)	5VDC		Dedicated to RS-422FX connection
	G11030	GT1030-HWD*1 (VEV)					3-color LED	24VDC		Dedicated to RS-422 connection
		GT1030-HWD2*1 (VEV)					1			Dedicated to RS-232 connection
		GT1030-HWL*1 (VEV)	[288 × 96 dots]	STN monochrome LCD (High contrast)	White	Monochrome	(green, orange, red)	5VDC	1.5MB	Dedicated to RS-422FX connection
		GT1030-HWDW*1			VVIIILE	(black/white)	3-color LED	24VDC	1.51415	Dedicated to RS-422 connection
		GT1030-HWDW2*1 (VEW)					(white, pink, red)	_		Dedicated to RS-232 connection
GT10		GT1030-HWLW*1 (VEV)					(write, pirik, reu)	5VDC		Dedicated to RS-422FX connection
GIIU		GT1020-LBD			Black		3-color LED	24VDC		Dedicated to RS-422 connection
		GT1020-LBD2					1	24000		Dedicated to RS-232 connection
		GT1020-LBL	3.7"	STN monochrome LCD		Monochrome	(green, orange, red)	5VDC	512KB	Dedicated to RS-422FX connection
		GT1020-LBDW	[160 × 64 dots]	OTTA MONOCHIOME LOD	Diack	(black/white)	3-color LED	24VDC	JIZKD	Dedicated to RS-422 connection
		GT1020-LBDW2					(white, pink, red)			Dedicated to RS-232 connection
	GT1020	GT1020-LBLW					(write, pilik, reu)	5VDC		Dedicated to RS-422FX connection
	G11020	GT1020-LWD					3-color LED	24VDC		Dedicated to RS-422 connection
		GT1020-LWD2					1	24000		Dedicated to RS-232 connection
		GT1020-LWL	3.7" [160 × 64 dots]	STN monochrome LCD	White	Monochrome	(green, orange, red)	5VDC	512KB	Dedicated to RS-422FX connection
		GT1020-LWDW		31N IIIOIIOCIIIOIIIE LOD	vville	(black/white)	2 color I ED	241/DC	JIZKO	Dedicated to RS-422 connection
		GT1020-LWDW2				(Sidole Willio)	3-color LED 24VDC	_		Dedicated to RS-232 connection
		GT1020-LWDW2 GT1020-LWLW					(white, pink, red)	5VDC		Dedicated to RS-422FX connection

*1 : Not supported by GT Works2/GT Designer2.

Communication interface

Product name	Model name	Specifications			A		le mod	lel	
1 Todact Hame	Woder Hallie	Ореспісаціонз		GT16	GT15	GT12	GT11	Handy GOT	GT10
	GT15-QBUS	Bus connection (1ch) unit standard model				_	_	_	_
	G113-QD00	for QCPU (Q mode)/motion controller CPU (Q series)							
	GT15-QBUS2	Bus connection (2ch) unit standard model				_	_		
	G113-QD032	for QCPU (Q mode)/motion controller CPU (Q series)		_					
	GT15-ABUS	Bus connection (1ch) unit standard model				_	_	_	
	G115-ADUS	for QnA/ACPU/motion controller CPU (A series)		_		_	_	_	_
	GT15-ABUS2	Bus connection (2ch) unit standard model		•		_	_		
	G115-ABUS2	for QnA/ACPU/motion controller CPU (A series)			_	_	_	_	_
Bus connection unit	GT15-75QBUSL	Bus connection (1ch) unit thin model*1							
	G115-75QBUSL	for QCPU (Q mode)/motion controller CPU (Q series)		•	•	_	_	_	_
GT15-75QBUS2L		Bus connection (2ch) unit thin model*1							
	G115-75QBUS2L	for QCPU (Q mode)/motion controller CPU (Q series)		•	•	-	-	_	_
	0745 7540404	Bus connection (1ch) unit thin model*1							
	GT15-75ABUSL	for QnA/ACPU/motion controller CPU (A series)			•	-	-	_	_
	OT45 75 AD11001	Bus connection (2ch) unit thin model*1							
	GT15-75ABUS2L	for QnA/ACPU/motion controller CPU (A series)				_	_	_	_
	GT15-RS2-9P	RS-232 serial communication unit (D-sub 9-pin (male))		•	•	_	_	_	_
	GT15-RS4-9S	RS-422/485 serial communication unit (D-sub 9-pin (fema	ale))*2 *3	•	•	_	_	_	_
Serial communication unit	OT45 DO4 TE	RS-422/485 serial communication unit (terminal block)*2							
	GT15-RS4-TE	* Usable only when connecting to temperature controllers/indicating controllers vi	a RS-485 or in GOT multi-drop connection		•	-	-	_	_
DO 100 : "	GT15-RS2T4-9P	RS-232→RS-422 conversion unit	RS-422 connector: 9-pin	* 6	● *4	_	_	_	_
RS-422 conversion unit	GT15-RS2T4-25P	R5-232→R5-422 conversion unit	RS-422 connector: 25-pin	* 6	● *4	_	_	_	_
MELSECNET/H	GT15-J71LP23-25	Standard station unit (optical loop)		•	•	_	_	_	_
communication unit	GT15-J71BR13	Standard station unit (coaxial bus)		•	•	_	_	_	_
CC-Link IE Controller Network	GT15-J71GP23-SX	Ohandandahatian with (antical lase)					_	_	
communication unit	G115-J/1GP23-SX	Standard station unit (optical loop)		•	•	-	-	_	-
CC-Link IE Field Network communication unit	GT15-J71GF13-T2 (NEW)	Intelligent device station unit			•	_	_	_	_
CC-Link communication unit	GT15-J61BT13	Intelligent device station unit (supporting CC-Link version	2)		•	_	_	_	_
Ethernet communication unit	GT15-J71E71-100	Ethernet (100Base-TX) unit		-	•	_	_	_	_
Serial multi-drop connection unit	GT01-RS4-M	For GOT multi-drop connection		* 5	* 5	* 5	*5	_	* 5
Connector conversion adapter	GT10-9PT5S	Conversion connector between D sub 9-pin male and Eur	rope terminal block 5-pin	_	_	* 5	* 5	_	*5
	GT11HS-CCL	одини и пот	•	_	_	_	_		_
CC-Link interface unit	GT11H-CCL	CC-Link interface unit for Handy GOT		_	_	_	_	•	
*1 : The unit cannot be used stacked or	n other units	*4 · The unit cannot be	e used with the GT155						

*1 : The unit cannot be used stacked on other units.

*2 : The unit may not be able to be used depending on the connection destination. See "List of connectable models"

(page 65).

*3 : The unit cannot be used with the GT155_.

*5 : For the hardware version compatible with GOT, please contact your local sales office.

For the instructions for connection of GT16/GT15, please contact your local sales office.

*6 : The unit cannot be used with the GT1655.

Ontional units

Draduet name	Model name	Considerations			pplicab	le mod		
Product name	Model name	Specifications	GT16	GT15	GT12	GT11	Handy GOT	GT10
Printer unit	GT15-PRN	USB slave (PictBridge) for printer connection, 1ch						
Filliter unit	GI IS-FNN	* Cable for printer connection (3m) included			-	-		-
Multimedia unit	GT16M-MMR	For video input (NTSC/PAL) 1ch motion image playback	*2	_	_	_	_	_
Video innut unit	GT16M-V4	For video input (NTSC/PAL) 4ch	*2	_	_		_	
Video input unit	GT15V-75V4	For video input (NTSC/PAL) 4ch	_	*3	_	_	-	-
DOD :t	GT16M-R2	For analog RGB input 2ch	*2	_	_	_	_	_
RGB input unit	GT15V-75R1	For analog RGB input 1ch	_	*3	_	_	_	_
Video/DOD involvenit	GT16M-V4R1	For video input (NTSC/PAL) 4ch / analog RGB 1ch composite input	*2	_	_	_	-	_
Video/RGB input unit	GT15V-75V4R1	For video input (NTSC/PAL) 4ch / analog RGB 1ch composite input	-	*3	_	_	-	-
DCD autout unit	GT16M-ROUT	For analog RGB output 1ch	● *2	_	_	_	_	_
RGB output unit	GT15V-75ROUT	For analog RGB output		● *3	_	_	_	_
CF card unit	GT15-CFCD	For additional CF card port (B drive) on the back of the GOT	•	•	-	-	-	_
CF card extension unit	GT15-CFEX-C08SET	For additional CF card port (B drive) at the front of the control panel*1	•	•	_	_	_	_
Sound output unit	GT15-SOUT	For sound output	•	•	_	_	_	_
F. d 1 in	GT15-DIOR	For external input/output devices and operation panel connection (negative common input / source type output)			_	_	-	_
External input/output unit	GT15-DIO	For external input/output devices and operation panel connection (positive common input / sink type output)			_	_	_	_

- *1: Includes unit to be installed on the control panel, *2: Excluding the GT16__-VNB_ and GT1655. *3: Only the GT1585V and GT1575V are supported.

Product name	Model name	Contents
GT Works3 Version1	SW1DNC-GTWK3-E	Single license <english version=""></english>
a romes relein	SW1DNC-GTWK3-EA	Multiple-license <english version="">^{★3}</english>
License key for GT SoftGOT1000*1	GT15-SGTKEY-U	For USB port
Personal computer remote operation	GT16-PCRAKEY	4 Bassas
function (Ethernet) license*2	GI 10-PUHANEY	1 license

- *1 : To use GT SoftG0T1000, a license key for GT SoftGOT1000 is necessary for each personal computer.

 *2 : 1 license is required for 1 GOT unit.

 *3 : The desired number of licenses (2 or more) can be purchased. For details, please contact your local sales office.

Options

76

Options									
Product name	Model name	Spe	cifications		_	plicab	_	lel	
				GT16	GT15	GT12	GT11	Handy GOT	GT10
	GT16-90XLTT		For GT1695M-XTB		_	_	_	_	
	GT16-80SLTT		For GT1685M-STB		-	-	_	_	-
	GT16-70SLTT		For GT1675M-STB	•	_	_	_	_	T -
	GT16-70VLTT		For GT1675M-VTB *1			_	_	_	
	GT16-70VLTTA		For GT1675M-VTB 22	•	_	-	-	_	—
	GT16-70VLTN		For GT1675-VNB /GT1672-VNB	•	_	-	_	_	-
	GT16-60SLTT		For GT1665M-STB	•	-	-	_	_	-
	GT16-60VLTT		For GT1665M-VTB	•	-	-	_		
				_	-	 _	_	_	$\vdash =$
Backlight	GT16-60VLTN	Backlight	For GT1662-VNB	•					
3	GT15-90XLTT	3	For GT1595-XTB	_	•		_		
	GT15-80SLTT		For GT1585V-STB /GT1585-STB	_	•	_	_		
	GT15-70SLTT		For GT1575-STB□ ⁸³	_	•	-	_	_	
	GT15-70VLTT		For GT1575V-STB _/GT1575-VTB _/GT1575-STB _ *4	_		_	_	_	
	GT15-70VLTN		For GT1575-VNB /GT1572-VNB	_	•	-	-	_	-
	GT15-60VLTT		For GT1565-VTB	_		-	_	_	_
	GT15-60VLTN		For GT1562-VNB	-	•	_	_		
	GT12-70VLTN		For GT1275-VNB	-	_		_		
				_	-	_			$\vdash =$
	GT12-60VLTN		For GT1265-VNB		_	•			
	GT16-MESB		For MES interface function	•		_	_		
	GT15-FNB	Optional function board	(No expansion memory)	_	•	_	_	_	
	GT15-QFNB	* The required optional function board	(No expansion memory)	-		-	-	_	_
Ontional function he and	GT15-QFNB16M	varies depending on the GOT main unit	+ 16MB expansion memory	_		_	-	_	_
Optional function board	GT15-QFNB32M	and function.	+ 32MB expansion memory	_		-	-	_	—
	GT15-QFNB48M	For the details, see "Notes for use"	+ 48MB expansion memory	_	•	-	_	_	 -
	GT15-MESB48M	(page 81).	+ 48MB expansion memory	-	•	-	_	_	<u> </u>
	GT11-50FNB		- Issue expansion memory	_	_	_	* 5	*9	
CT10 momony leader		For CT1020/CT1000 //a- OC	doto transfer) no novem course required	=	-	-	- *>	- *9	
GT10 memory loader	GT10-LDR	\ 1,	data transfer) no power source required			_			•
GT10 memory board	GT10-50FMB	For GT105 /GT104 (for OS and		-		_	_	_	•
	GT16-90PSCB		Clear, 5 sheets	•		-	-	_	_
	GT16-90PSGB	Protective sheet for 15" screen	Anti-glare, 5 sheets			_	_	_	
	GT16-90PSCW		Clear (frame: white), 5 sheets		-	_	_	_	_
	GT16-90PSGW	(for GT16)	Anti-glare (frame: white), 5 sheets	•		_	_	_	
	GT16-90PSCB-012		Clear (USB protective cover type), 5 sheets*14	•	_	-	_	_	
	GT15-90PSCB		Clear, 5 sheets	_	•	—	_	_	
	GT15-90PSGB	Protective sheet for 15" screen	Anti-glare, 5 sheets	_	•	-	_	_	
		•		-	•	-	_	_	
	GT15-90PSCW	(for GT15)	Clear (frame: white), 5 sheets		_				
	GT15-90PSGW		Anti-glare (frame: white), 5 sheets	_	•	_	_	_	
	GT16-80PSCB		Clear, 5 sheets			_	_	_	
	GT16-80PSGB	Protective sheet for 12.1" screen	Anti-glare, 5 sheets		_	_	_	_	
	GT16-80PSCW	(for GT16)	Clear (frame: white), 5 sheets		-	-	-	-	-
	GT16-80PSGW	(101 01 10)	Anti-glare (frame: white), 5 sheets			I –	_	_	T -
	GT16-80PSCB-012		Clear (USB protective cover type), 5 sheets*14	•	_	-	_	_	
	GT15-80PSCB		Clear, 5 sheets	_	•	—	_	_	T-
	GT15-80PSGB	Protective sheet for 12.1" screen	Anti-glare, 5 sheets	_	•	_	_		
	GT15-80PSCW	(for GT15)	Clear (frame: white), 5 sheets	_		-	_	_	
	GT15-80PSGW	(101 01 13)		_		_	_	_	-
			Anti-glare (frame: white), 5 sheets		_	 	_	_	$\vdash =$
	GT16-70PSCB		Clear, 5 sheets	•	_	_			-
	GT16-70PSGB	Protective sheet for 10.4" screen	Anti-glare, 5 sheets	•	_	-	-	_	
	GT16-70PSCW	(for GT16)	Clear (frame: white), 5 sheets		_	_	_	_	
	GT16-70PSGW	(ici di io)	Anti-glare (frame: white), 5 sheets		-	-	-	-	-
	GT16-70PSCB-012		Clear (USB protective cover type), 5 sheets*14	•		-	_	_	_
	GT15-70PSCB		Clear, 5 sheets	_	•	-	-	_	_
	GT15-70PSGB	Protective sheet for 10.4" screen	Anti-glare, 5 sheets	_	•	-	_	_	
	GT15-70PSCW	(for GT15)	Clear (frame: white), 5 sheets	_	•	_	_	_	<u> </u>
Protective sheet	GT15-70PSGW	(.3. 3110)	Anti-glare (frame: white), 5 sheets	_		_	H		
	GT11-70PSCB	Protective cheet for 10 4" occoon (for CT40)		=	_	•	_	_	-
		Protective sheet for 10.4" screen (for GT12)	Clear, 5 sheets		-		_		-
	GT16-60PSCB		Clear, 5 sheets	•			$\overline{}$		-
	GT16-60PSGB	Protective sheet for 8.4" screen	Anti-glare, 5 sheets	•		-	_	_	
	GT16-60PSCW	(for GT16)	Clear (frame: white), 5 sheets	•		-	_	_	
	GT16-60PSGW	(Anti-glare (frame: white), 5 sheets		_	_	_	_	_
	GT16-60PSCB-012		Clear (USB protective cover type), 5 sheets*14		_	_	_	_	_
	GT15-60PSCB		Clear, 5 sheets	-		-	_	_	
	GT15-60PSGB	Protective sheet for 8.4" screen	Anti-glare, 5 sheets	_	•	-	_	_	
	GT15-60PSCW	(for GT15)	Clear (frame: white), 5 sheets	_	•	-	_	_	 -
	GT15-60PSGW	(101 01 10)	Anti-glare (frame: white), 5 sheets	_		-	_	_	$\vdash =$
		Protective checkfor 0 4ll comme (for OT10)		_	_	_			
	GT11-60PSCB	Protective sheet for 8.4" screen (for GT12)	Clear, 5 sheets			•	-	_	
	GT16H-60PSC	Protective sheet for 6.5" screen (for GT16 Handy GOT)	Clear, 5 sheets	-		-	-	•	-
	GT16-50PSCB NEW		Clear, 5 sheets	•		-	_	_	
	GT16-50PSGB	Protective sheet for 5.7" screen	Anti-glare, 5 sheets		_	_	_	_	_
	GT16-50PSCW		Clear (frame: white), 5 sheets	•	_	-	-	_	_
	GT16-50PSGW NEW	(for GT16)	Anti-glare (frame: white), 5 sheets	•	-	-	-	_	
	GT16-50PSCB-012 NEW		Clear (USB protective cover type), 5 sheets*14	•	_	_	_	_	
	GT15-50PSCB		Clear, 5 sheets	_	•	_	_	_	
		Brotoctive chart for 5.7"		=		-	_	=	+=-
	GT15-50PSGB	Protective sheet for 5.7" screen	Anti-glare, 5 sheets	_	•				
	GT15-50PSCW	(for GT15)	Clear (frame: white), 5 sheets	-	•	-	-	_	
	GT15-50PSGW		Anti-glare (frame: white), 5 sheets	_	•	_	_	_	_
	GT11-50PSCB		Clear, 5 sheets	_		_		_	_
	GT11-50PSGB	Protective sheet for 5.7" screen	Anti-glare, 5 sheets	_	_	-	•	_	
	GT11-50PSCW	(for GT11)	Clear (frame: white), 5 sheets	-		-		_	T-
	GT11-50PSGW	l` ' '	Anti-glare (frame: white), 5 sheets	-	_	-	•	_	<u> </u>
			, , , , , , , , , , , , , , , , , , , ,	-					

Options

Product name	Model name		Spo	cifications			Ap	plicab	le mod		
Product name				cincations		GT16	GT15	GT12	GT11	Handy GOT	GT10
	GT11H-50PSC	Protective sheet for 5.7" scre	een (for GT11 Handy GOT)	Clear, 5 sheets		_	_	_	_	•	_
	GT10-50PSCB			Clear, 5 sheets		-	_	_	_	_	
	GT10-50PSGB	Protective sheet fo	or 5.7" screen	Anti-glare, 5 sheets		I -	_	_	_	_	•
	GT10-50PSCW	(for GT105 (Clear (frame: white), 5 sh	eets	T -	_	_	_	_	•
	GT10-50PSGW	,		Anti-glare (frame: white),	5 sheets	-	_	_	_	_	
	GT10-40PSCB			Clear, 5 sheets		—	_	-	-	_	•
	GT10-40PSGB	Protective sheet fo	or 4.7" screen	Anti-glare, 5 sheets		l -	_	-	-	_	
	GT10-40PSCW	(for GT104)		Clear (frame: white), 5 sh	eets	T-	_	_	_	_	
Protective sheet	GT10-40PSGW	(Anti-glare (frame: white),		!	_	-	_	_	•
	GT10-30PSCB			Clear, 5 sheets	0 0110010	 	_	_	_	_	
	GT10-30PSGB	Protective sheet fo	or 4.5" screen	Anti-glare, 5 sheets		 -	_		_	_	
	GT10-30PSCW	(for GT1030)	7.5 3010011	Clear (frame: white), 5 sh	oote	+ -	_	_	_	_	
	GT10-30PSGW	(101 G1 1030)		Anti-glare (frame: white),		-	_			_	
	GT10-20PSCB			Clear, 5 sheets	3 5116615	 		_	_	_	
	GT10-20PSGB	Duntantina abant fo	0 7"			+=		 _			-
		Protective sheet fo	or 3.7 Screen	Anti-glare, 5 sheets							-
	GT10-20PSCW	(for GT1020)		Clear (frame: white), 5 sh		<u> </u>	-	_		_	•
	GT10-20PSGW			Anti-glare (frame: white),	5 sheets	-	_		_	_	
	GT16-UCOV	Protective cover fo	or USB interface	For 15"/12.1"/10.4"/8.4"		•	_		_	_	
USB protective cover	GT16-50UCOV NEW	on main unit front		For 5.7"		•	_		-		
,	GT15-UCOV	(for replacement)	r	For 15"/12.1"/10.4"/8.4"		<u> </u>	•			_	-
	GT11-50UCOV	, ,		For 5.7"		_		_		_	_
	GT05-90PCO	Oil resistant cover	for 15" screen					_	_	_	_
	GT05-80PCO	Oil resistant cover	for 12.1" screen					_	_	_	_
	GT05-70PCO	Oil resistant cover	for 10.4" screen						_	_	-
	GT05-60PCO	Oil resistant cover	for 8.4" screen			•	•	•	_	_	I -
Oil resistant cover*7	GT16-50PCO	Oil resistant cover	for 5.7" screen			•	_	_	_	_	_
	GT05-50PCO	Oil resistant cover	for 5.7" screen			l –	•	-	•	_	
	GT10-40PCO NEW	Oil resistant cover	for 4.7" screen			T -	_	_	_	_	
	GT10-30PCO	Oil resistant cover for 4.5" screen					_	_	_	_	
	GT10-20PCO	Oil resistant cover				 	_		_	_	
	GT16H-60ESCOV			of emergency stop switch (for	GT16 Handy GOT)	-	_		_		_
Emergency stop switch guard	GT11H-50ESCOV			of emergency stop switch (for		-	_	_	_		-
	GT15-90STAND	Stand for 15" type		or emergency stop switch (for	diffinantly doi)			-	_	_	-
	GT15-90STAND	Stand for 12.1" type							=	=	
Stand						_		_	=		+=
	GT15-70STAND	Stand for 10.4"/8.4				•	•	-		_	
	GT05-50STAND	Stand for 5.7" type				•	•		•		•
	GT05-MEM-128MC	128MB flash ROM				•	•	•	•	•	_
	GT05-MEM-256MC	256MB flash ROM				•	•	•	•	•	_
	GT05-MEM-512MC	512MB flash ROM								•	_
CF card	GT05-MEM-1GC	1GB flash ROM									_
or cara	GT05-MEM-2GC	2GB flash ROM				•					_
	GT05-MEM-4GC	4GB flash ROM				•	_		_	*10	_
	GT05-MEM-8GC	8GB flash ROM		<u> </u>		•	_		_	*10	_
	GT05-MEM-16GC	16GB flash ROM				•	_	_	_	*10	_
Memory card adapter	GT05-MEM-ADPC	CF card→memory	card (TYPE II) co	nversion adapter		•		•	•	•	-
	GT15-70ATT-98	Í	A985GOT **8	· ·			•	•	_	_	—
		Attachment for	A870GOT-SWS	A8GT-70GOT-TB	GT167						
	GT15-70ATT-87	10.4" type	A870GOT-TWS	A8GT-70GOT-SW	→GT157	•			_	_	_
			A8GT-70GOT-TW		GT1275		_				
	GT15-60ATT-97		A97 GOT	7,001 7,0001-00			•	•	_	_	 _
	GT15-60ATT-96	†	A960GOT		\dashv				-		
	G113-00A11-90	ł	A870GOT-EWS	A77GOT-EL-S5	\dashv		_	-	-	H-	-
Attachment	CT15 COATT 07	Attachm t f			GT166				l _		
	GT15-60ATT-87	Attachment for	A8GT-70GOT-EW		→GT156	•	-	_	-	-	-
		8.4" type	A8GT-70GOT-EB	A77GOT-EL	GT1265	1					-
		1	A77GOT-CL-S5	A77GOT-L-S5			_	_	1		
			A77GOT-CL-S3	A77GOT-L-S3	1	1			l —	_	-
	GT15-60ATT-77					1	_	_			
			A77GOT-CL	A77GOT-L							
	GT15-60ATT-77	Attachment for		A77GOT-L	GT1655		•	_	•		_
		Attachment for 5.7" type	A77GOT-CL	A77GOT-L	GT1655 →GT155 GT115	•	•		•	_ _	=
Battery	GT15-50ATT-95W	5.7" type	A77GOT-CL A956WGOT A85 GOT	A77GOT-L maintenance time notifica	→GT155 GT115	*11		_	_	— — — *13	_

- #1 : Function version C or earlier.
 #1 : Function version D or later.
 #2 : Function version D or later.
 #3 : Function version B or earlier.
 #4 : Function version B or earlier.
 #4 : Function version B or earlier.
 #5 : Function version B or earlier.
 #5 : Function version C or later.
 #6 : Excluding the GT102 DBDQ and GT115_QBDQ and GT115_QBDQ.
 #7 : Check if the oil resistant cover can be used in the actual environment before use.
 When using the oil resistant cover can be used in the actual environment before use.
 When using the oil resistant cover, the front USB interface and human sensor cannot be used.
 #8 : Including the GT250_land GP260_lmanufactured by Pro-face.
 #9 : Can be used only with the GT11 Handy.

Manuals are supplied as PDF documents with the software nackage in the CD-ROM. Printed manuals are also available

Manual title	Catalog No.
GT Designer3 Version1 Screen Design Manual (Fundamentals)	SH-080866ENG
GT Designer3 Version1 Screen Design Manual (Functions) *A set of two volumes	SH-080867ENG
GOT1000 Series Connection Manual (Mitsubishi Products) for GT Works3	SH-080868ENG
GOT1000 Series Connection Manual (Non-Mitsubishi Products 1) for GT Works3	SH-080869ENG
GOT1000 Series Connection Manual (Non-Mitsubishi Products 2) for GT Works3	SH-080870ENG
GOT1000 Series Connection Manual (Microcomputer, MODBUS Products, Peripherals) for GT Works3	SH-080871ENG
GOT1000 Series Gateway Functions Manual for GT Works3	SH-080858ENG
GOT1000 Series MES Interface Function Manual for GT Works3	SH-080859ENG
GT SoftGOT1000 Version3 Operating Manual for GT Works3	SH-080861ENG
GT Simulator3 Version1 Operating Manual for GT Works3	SH-080860ENG
GT Converter2 Version3 Operating Manual for GT Works3	SH-080862ENG
GOT1000 Series User's Manual (Extended Functions, Option Functions) for GT Works3	SH-080863ENG
GT16 User's Manual (Hardware)	SH-080928ENG
GT16 User's Manual (Basic Utility)	SH-080929ENG
GT15 User's Manual	SH-080528ENG
GT12 Supplementary Description	SH-080864ENG
GT11 User's Manual	JY997D17501
GT16 Handy GOT User's Manual (Hardware • Utility, Connection) *A set of two volumes	JY997D41201
GT11 Handy GOT User's Manual (Hardware • Utility, Connection) *A set of two volumes	JY997D20101
GT10 User's Manual	JY997D24701

78

l		
2		
ſ		
н		-
		٠.
		므
		-
		ō
		CO
		Ë
	C	\Box
		3
		Ð
		~

Product name		Model name Cable		Third party	ihird party products Application		Appi	icabl	e mod	del *	2
	Toduct Hame		length	*1	Application	GT16	GT15	GT12	GT11	Handy GOT	GT10
		GT15-QC06B	0.6m	-							
	QCPU extension cable	GT15-QC12B	1.2m	-	For connection between QCPU and GOT						
Bus connection	GOT-to-GOT connection cable	GT15-QC30B GT15-QC50B	3m 5m	0	For connection between GOT and GOT	•		_	•	-	-
cable for		GT15-QC100B	10m	1							
QCPU (Q mode)		GT15-QC150BS	15m								
	Long-distance connection	GT15-QC200BS	20m	1	For long-distance (13.2m or more) connection between						
	cable for QCPU GOT-to-GOT long-distance	GT15-QC250BS	25m		QCPU and GOT (A9GT-QCNB required)	•	•	-	•	–	-
	connection cable	GT15-QC300BS	30m		For long-distance connection between GOT and GOT						
		GT15-QC350BS	35m								
Bus extension conn	ector box	A9GT-QCNB	_	-	Used for QCPU long-distance (13.2m or more) bus connection	•	•	_	•	_	
		GT15-C12NB	1.2m	-	For connection between QnA/ACPU/motion controller CPU						
		GT15-C30NB	3m	0	(A series, extension base) and GOT	•	•	_	•	-	_
		GT15-C50NB GT15-AC06B	5m 0.6m								_
		GT15-AC12B	1.2m	1	For connection between QnA/ACPU/motion controller CPU						
	Large CPU	GT15-AC30B	3m		(A series, extension base) and A7GT-CNB	•	•	-	•	-	-
	extension cable	GT15-AC50B	5m	1							
		GT15-A370C12B-S1	1.2m		For connection between motion controller CPU					_	_
		GT15-A370C25B-S1	2.5m	0	(A series, main base) and GOT	•	•	_	•		
		GT15-A370C12B	1.2m	0	For connection between motion controller CPU	•	•	_	•	_	
		GT15-A370C25B	2.5m	~	(A series, main base) and A7GT-CNB	_	_		_		
		GT15-A1SC07B	0.7m	-	For connection between QnAS/AnSCPU/motion controller CPU						
D		GT15-A1SC12B	1.2m	0	(A series) and GOT	•	•	_	•	-	-
Bus connection cable for		GT15-A1SC30B GT15-A1SC50B	3m 5m	0	For connection between QnAS/AnSCPU and GOT	•	•	_	•	-	-
QnA/ACPU/motion	Small CPU extension cable	GT15-A1SC50B GT15-A1SC05NB	0.45m	-		_	_	_	_	_	
controller CPU		GT15-A1SC05NB	0.45m	0	For connection between QnAS/AnSCPU/motion controller CPU	•		_	•	_	_
(A series)		GT15-A1SC30NB	3m	1	(A series) and A7GT-CNB						
		GT15-A1SC50NB	5m	0	For connection between QnAS/AnSCPU and A7GT-CNB	•	•	-	•	-	-
		GT15-C100EXSS-1	10.6m		For long-distance connection between QnAS/AnSCPU/						
	Small CPU long-distance	GT15-C200EXSS-1	20.6m		motion controller CPU (A series) and GOT			_		_	_
	connection cable	GT15-C300EXSS-1		ł ~	For long-distance connection between A7GT-CNB and GOT						
			30.6m		*Set of GT15-EXCNB and GT15-C_BS						
	GOT-to-GOT	GT15-C07BS	0.7m	-							
	connection cable	GT15-C12BS GT15-C30BS	1.2m 3m	0	For connection between GOT and GOT			-	•	-	-
	Connection cable	GT15-C50BS	5m	1							
		GT15-C100BS	10m								
	GOT-to-GOT long-distance	GT15-C200BS	20m		For connection between GOT and GOT			_	•	_	_
	connection cable	GT15-C300BS	30m								
	A0J2HCPU connection cable	GT15-J2C10B	1m	0	For connection between power supply unit (A0J2-PW) for A0J2HCPU and GOT	•		_	•	_	
Bus connector conv	ersion box	A7GT-CNB	_	_	Used for QnA/ACPU long-distance bus connection	•		_	•	_	
Buffer circuit cable		GT15-EXCNB	0.5m	0	Usable as GT15-C EXSS-1 in combination with GT15-C BS	•	•	-	•		
Ferrite core set for C	bus cable (two-pack)	GT15-QFC	_	-	Ferrite cores for replacing existing GOT-A900 bus cable with	•		_	•	_	-
											l .
	A bus cable (two-pack)	GT15-AFC			bus cable for GOT1000 Enrocapacition between RS-/92//85 (connector) of GT16 and RS-/92 cable (D.cub 9 nine)						_
		GT16-C02R4-9S	0.2m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins)	•	_	_	-	-	=
Ferrite core set for A		GT16-C02R4-9S GT16-C02R4-25S	0.2m		For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins)	•	_	-	-	_	-
Ferrite core set for A	cable	GT16-C02R4-9S		0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins)		-		_ _ _		
Ferrite core set for A RS-422 conversion	cable	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05	0.2m 0.5m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit *With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit	•	- 1		-		
Ferrite core set for A RS-422 conversion	cable	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL10	0.2m 0.5m 1m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU	•	-		-	-	
Ferrite core set for A RS-422 conversion	cable ock conversion unit	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P	0.2m 0.5m 1m 2m 3m 10m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit *With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT	•	-	-	-		-
Ferrite core set for A RS-422 conversion	cable ock conversion unit OnA/A/FXCPU	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL05 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P	0.2m 0.5m 1m 2m 3m 10m 20m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV CBL and GOT For connection between Serial communication unit and GOT	•	-		-	-	
Ferrite core set for A RS-422 conversion	cable ock conversion unit QnA/A/FXCPU direct connection cable	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C300R4-25P	0.2m 0.5m 1m 2m 3m 10m 20m 30m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit *With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNVCBL and GOT For connection between serial communication unit and GOT For connection between AJ65BT-G4-S3 and GOT	•	-	-	-	-	-
Ferrite core set for A RS-422 conversion	cable ock conversion unit OnA/A/FXCPU direct connection cable Computer link	GT16-C02R4-9S GT16-C02R4-2SS FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C200R4-25P GT01-C300R4-25P GT01-C300R4-25P GT10-C30R4-25P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 3m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between AJ66ST-G4-S3 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin	•	-	-	-	-	-
Ferrite core set for A RS-422 conversion	cable ock conversion unit QnA/A/FXCPU direct connection cable	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C30R4-25P GT10-C100R4-25P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 3m 10m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNVI_CDB and GOT For connection between serial communication unit and GOT For connection between AJ65BT-G4-S3 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin connector) and GOT	•	-	-	-	-	-
Ferrite core set for A RS-422 conversion	cable ock conversion unit OnA/A/FXCPU direct connection cable Computer link	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C100R4-25P GT10-C100R4-25P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 3m 10m 20m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between AJ66ST-G4-S3 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin	•	-	-	-	-	
Ferrite core set for A RS-422 conversion	cable ock conversion unit OnA/A/FXCPU direct connection cable Computer link	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C30R4-25P GT10-C100R4-25P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 3m 10m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit *With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between AJ65BT-G4-S3 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin connector) and GOT For connection between DnA/A/FXCPU (D-sub 25-pin connector) and GOT	•	-	-	-	- ***	
Ferrite core set for A RS-422 conversion	cable ock conversion unit OnA/A/FXCPU direct connection cable Computer link	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL00 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 3m 10m 20m 30m 30m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A seriesy)/FXCPU (D-sub 25-pin connector) and GOT For connection between RS-CNV_CEB and GOT For connection between Serial communication unit and GOT For connection between AJ65BT-G4-S3 and GOT For connection between AJ65BT-G4-S3 and GOT For connection between AJ65BT-G4-SC and GOT For connection between AJ65BT-G4-SC and GOT For connection between and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT	• **	-	•	•	-	
Ferrite core set for A RS-422 conversion	cable ock conversion unit QnA/A/FXCPU direct connection cable Computer link connection cable	GT16-C02R4-9S GT16-C02R4-2SS FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C200R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 30m 20m 30m 30m 30m 30m 30m 30m 30m 3	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between AJ66BT-G4-S3 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin connector) and GOT For connection between CAJ6BT-G4-S3 and GOT For connection between CAJ6BT-G4-G4-S3 and GOT For connection between CAJ6BT-G4-G4-S3 and GOT For connection between CAJ6BT-G4-G4-S3 and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT	•	-	-	-	- ***	
Ferrite core set for A RS-422 conversion	cable ock conversion unit QnA/A/FXCPU direct connection cable Computer link connection cable Computer link	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C20R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C	0.2m 0.5m 1m 3m 10m 20m 30m 10m 20m 30m 30m 30m 30m 30m 30m 30m 3	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A seriesy)/FXCPU (D-sub 25-pin connector) and GOT For connection between RS-CNV_CEB and GOT For connection between Serial communication unit and GOT For connection between AJ65BT-G4-S3 and GOT For connection between AJ65BT-G4-S3 and GOT For connection between AJ65BT-G4-SC and GOT For connection between AJ65BT-G4-SC and GOT For connection between and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT	• **	-	•	•	- - - -	- - - - •*5
Ferrite core set for A RS-422 conversion	cable ock conversion unit QnA/A/FXCPU direct connection cable Computer link connection cable Computer link	GT16-C02R4-9S GT16-C02R4-9S GT16-C02R4-2SS FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C300R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C30R4-25P GT10-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT09-C300R4-6C GT09-C300R4-6C	0.2m 0.5m 1m 2m 3m 10m 20m 30m 30m 10m 20m 30m 30m 20m 30m 20m 30m 30m 40m 20m 30m 30m 10m 20m 30m 10m 20m 30m 30m 10m 20m 30m 30m 30m 30m 30m 30m 30m 3	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A seriesy)/FXCPU (D-sub 25-pin connector) and GOT For connection between RS-CNV_CEB and GOT For connection between Serial communication unit and GOT For connection between AJ65BT-G4-S3 and GOT For connection between AJ65BT-G4-S3 and GOT For connection between AJ65BT-G4-SC and GOT For connection between AJ65BT-G4-SC and GOT For connection between and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT	• **	-	•	•		- - - - •*5
Ferrite core set for A RS-422 conversion	cable ock conversion unit QnA/A/FXCPU direct connection cable Computer link connection cable Computer link	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT01-C30R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 20m 30m 30m 20m 30m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 3m 10m 20m 3m 3m 3m 3m 3m 3m 3m 3m 3m 3	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A seriesy)/FXCPU (D-sub 25-pin connector) and GOT For connection between RS-CNV_CEB and GOT For connection between Serial communication unit and GOT For connection between AJ65BT-G4-S3 and GOT For connection between AJ65BT-G4-S3 and GOT For connection between AJ65BT-G4-SC and GOT For connection between AJ65BT-G4-SC and GOT For connection between and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT	-	-	-	-	- - - -	
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit QnA/A/FXCPU direct connection cable Computer link connection cable Computer link	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 FA-LTBGTR4CBL10 GT01-C30R4-25P GT01-C100R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT09-C30R4-6C GT09-C30R4-6C GT09-C300R4-6C GT09-C300R4-6C GT01-C10R4-8P GT01-C30R4-8P GT01-C30R4-8P	0.2m 0.5m 1m 2m 2m 3m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 30m 10m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit *With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between PA-CNVI_CBL and GOT For connection between FA-CNVI_CBL and GOT For connection between AJ65BT-G4-S3 and GOT For connection between AJ65BT-G4-S3 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin connector) and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT	• **	-	•	•		
Ferrite core set for A RS-422 conversion	cable ock conversion unit QnA/A/FXCPU direct connection cable Computer link connection cable Computer link	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT01-C30R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 20m 30m 30m 20m 30m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 3m 10m 20m 3m 3m 3m 3m 3m 3m 3m 3m 3m 3	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A seriesy)/FXCPU (D-sub 25-pin connector) and GOT For connection between RS-CNV_CEB and GOT For connection between Serial communication unit and GOT For connection between AJ65BT-G4-S3 and GOT For connection between AJ65BT-G4-S3 and GOT For connection between AJ65BT-G4-SC and GOT For connection between AJ65BT-G4-SC and GOT For connection between and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT	-	-	-	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit QnA/A/FXCPU direct connection cable Computer link connection cable Computer link	GT16-C02R4-9S GT16-C02R4-9S GT16-C02R4-2SS FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 FA-LTBGTR4CBL10 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C300R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 10m 20m 30m 30m 10m 20m 30m 10m 20m 30m 30m 30m 10m 20m 30m 30m 30m 30m 30m 30m 30m 30m 30m 3	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between QnA/A/FXCPU (D-sub 25-pin connector) and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit For connection between serial communication unit and GOT	-	-	-	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 GT01-C30R4-25P GT01-C10R4-25P GT01-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P GT10-C30R4-8P GT10-C30R4-8P	0.2m 0.5m 1m 2m 20m 30m 30m 10m 20m 30m 30m 10m 20m 30m 10m 20m 30m 11m 30m 11m 3m 10m 30m 10m 30m 10m 30m 10m 30m 10m 30m 30m 10m 30m 30m 10m 30m 30m 30m 30m 30m 30m 30m 30m 30m 3	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between OnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between AA/FXCPU (D-sub 25-pin connector) and GOT For connection between AA/FXCPU (D-sub 25-pin connector) and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between Serial communication unit and GOT For connection between Serial communication unit and GOT For connection between Serial communication unit and GOT	-	-	-	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable	GT16-C02R4-9S GT16-C02R4-9S GT16-C02R4-2SS FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 FA-LTBGTR4CBL10 GT01-C30R4-25P GT01-C300R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-8C GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT01-C10R4-8P GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C300R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 3m 10m 30m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 1m 3m 10m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit *With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnAAACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between QnAAACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between QnAAA/FXCPU (D-sub 25-pin connector) and GOT For connection between And GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between Serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function	-	-	-	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit OnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT10-C30R4-25P GT10-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 30m 30m 10m 20m 30m 20m 30m 10m 20m 30m 20m 30m 20m 30m 20m 30m 20m 30m 20m 30m 20m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit *With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnAAACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between QnAAACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between QnAAA/FXCPU (D-sub 25-pin connector) and GOT For connection between And GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between Serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function	-	-	-	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable	GT16-C02R4-9S GT16-C02R4-9S GT16-C02R4-2SS FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 FA-LTBGTR4CBL10 GT01-C30R4-25P GT01-C300R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-8C GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT01-C10R4-8P GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C300R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 3m 10m 30m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 1m 3m 10m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit *With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnAAACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between QnAAACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between QnAAA/FXCPU (D-sub 25-pin connector) and GOT For connection between And GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between Serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function	-	-	-	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 30m 30m 10m 20m 30m 30m 30m 30m 30m 30m 30m 30m 30m 3	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit *With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between PA-CNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between AG6BT-G4-S3 and GOT For connection between AG6BT-G4-S3 and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT	-	-	-	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit OnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT10-C30R4-25P GT10-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 30m 30m 10m 20m 30m 20m 30m 10m 20m 30m 20m 30m 20m 30m 20m 30m 20m 30m 20m 30m 20m		For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between ACNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between AACFECPU (D-sub 25-pin connector) and GOT For connection between AACFECPU (D-sub 25-pin connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT	-	-	-	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit OnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board	GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL05 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C20R4-25P GT10-C20R4-25P GT10-C20R4-25P GT10-C20R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	0.2m 0.5m 1m 2m 2m 3m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 1m 3m 10m 20m 30m 1m 3m 10m 20m 30m 1m 3m 10m		For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit *With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between PA-CNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between AG6BT-G4-S3 and GOT For connection between AG6BT-G4-S3 and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT	-	-	-	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit OnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board	GT16-C02R4-9S GT16-C02R4-9S GT16-C02R4-2SS FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 FA-LTBGTR4CBL10 GT01-C30R4-25P GT01-C300R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C300R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 30m 30m 30m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 1m 3m 10m 10m 20m 30m 1m 3m 10m 1m 3m 1m 1m 1m		For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between ACNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between AACFECPU (D-sub 25-pin connector) and GOT For connection between AACFECPU (D-sub 25-pin connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT	-	-	-	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit OnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board	GT16-C02R4-9S GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT01-C10R4-8P GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 30m 30m 30m 30m 10m 20m 30m 10m 20m 30m 1m 3m 10m 1m 3m 3m 1m 3m		For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between AJ65BT-G4-S3 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin connector) and GOT For connection between serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT	-	-	-	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit OnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board	GT16-C02R4-9S GT16-C02R4-9S GT16-C02R4-2SS FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 FA-LTBGTR4CBL10 GT01-C30R4-25P GT01-C300R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C300R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 30m 30m 30m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 1m 3m 10m 10m 20m 30m 1m 3m 10m 1m 3m 1m 1m 1m		For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between AnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between AnA/AFXCPU (D-sub 25-pin connector) and GOT For connection between AnA/AFXCPU (D-sub 25-pin connector) and GOT For connection between AnA/AFXCPU (D-sub 25-pin connector) and GOT For connection between serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT #The unit cannot be used with the FX1NC, FX2NC, FX3UC-D/DSS, FX3G. For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT #The unit cannot be used with the FX1NC, FX2NC, FX3UC-D/DSS, FX3G. For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and	● ● +6 ■ +6	-	-	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board connection cable	GT16-C02R4-9S GT16-C02R4-25S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 30m 30m 30m 10m 20m 30m 10m 20m 30m 1m 1m 3m 10m 1m 3m 10m 1m 3m 10m		For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit *With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between PA-CNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between AG6BT-G4-S3 and GOT For connection between AG6BT-G4-S3 and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT	● ● +6 ■ +6	-	-	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable Ock conversion unit OnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board connection cable	GT16-C02R4-9S GT16-C02R4-9S GT16-C02R4-2SS FA-LTBGTR4CBL05 FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C10R4-8P GT10-C30R4-8P	0.2m 0.5m 1m 2m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 1m 1m 3m 10m 20m 30m		For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between PA-CNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between AndAFXCPU (D-sub 25-pin connector) and GOT For connection between AndAFXCPU (D-sub 25-pin connector) and GOT For connection between AndAFXCPU (D-sub 25-pin connector) and GOT For connection between serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT	● ● +6 ■ +6	-	-	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board connection cable	GT16-C02R4-9S GT16-C02R4-9S GT16-C02R4-2SS FA-LTBGTR4CBL05 FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C30R4-8P	0.2m 0.5m 1m 2m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 1m 3m 10m 20m 30m		For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between QnA/A/FXCPU (D-sub 25-pin connector) and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT #The unit cannot be used with the FXINC, FX2NC, FX3UC-D/DSS, FX3G. For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For replacing a F930GOT unit with the GT1030 series unit Converts D-sub 9-pin connector to loose wire (Europe terminal block)	● ● +6 ■ +6 ■ +6 ■ +6	-	-	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable Ock conversion unit OnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board connection cable	GT16-C02R4-9S GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL00 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT01-C10R4-8P GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 30m 30m 30m 10m 20m 30m 10m 20m 30m 1m 1m 3m 10m 20m 30m 1m 3m 10m 20m 30m 1m 3m 10m 20m 30m 30m 10m 20m 30m 30m 30m 30m 30m 30m 30m 30m 30m 3		For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit *With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between AJ65BT-G4-S3 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin connector) and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT *The unit cannot be weed with the FXINC, FX2NC, FX3UC-D/DSS, FX3G. For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For replacing a F930GOT unit with the GT1030 series unit Converts D-sub 9-pin connector to loose wire (Europe terminal block) For connection between Q/LCPU and GOT/personal computer	● ● +6 ■ +6	-	-	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable Ock conversion unit OnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board connection cable	GT16-C02R4-9S GT16-C02R4-9S GT16-C02R4-2SS FA-LTBGTR4CBL05 FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C30R4-8P	0.2m 0.5m 1m 2m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 1m 3m 10m 20m 30m		For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between QnA/A/FXCPU (D-sub 25-pin connector) and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT #The unit cannot be used with the FXINC, FX2NC, FX3UC-D/DSS, FX3G. For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For replacing a F930GOT unit with the GT1030 series unit Converts D-sub 9-pin connector to loose wire (Europe terminal block)	● ● +6 ■ +6 ■ +6	-	- - •	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit OnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board connection cable Connector conversion cable for F930—GT1030 replacement	GT16-C02R4-9S GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL00 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT09-C30R4-6C GT01-C10R4-8P GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 30m 30m 30m 10m 20m 30m 10m 20m 30m 1m 1m 3m 10m 20m 30m 1m 3m 10m 20m 30m 1m 3m 10m 20m 30m 30m 10m 20m 30m 30m 30m 30m 30m 30m 30m 30m 30m 3		For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between AJ65BT-G4-S3 and GOT For connection between Serial communication unit (AJ710C24(N)-R4) and GOT For connection between serial communication unit (AJ710C24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT	● ● +6 ■ +6 ■ +6 ■ +6	-	- - •	-	- 43 - 43 	
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit OnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board connection cable Connector conversion cable for F930→GT1030 replacement O/LCPU direct	GT16-C02R4-9S GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C10R4-6C GT09-C30R4-6C GT09-C30R4-6C GT01-C10R4-8P GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 30m 30m 30m 10m 20m 30m 10m 20m 30m 1m 1m 3m 10m 20m 30m 1m 3m 10m 20m 30m 1m 3m 10m 20m 30m 30m 10m 20m 30m 30m 30m 30m 30m 30m 30m 30m 30m 3		For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between PA-CNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between AG6BT-64-S3 and GOT For connection between AG6BT-64-S3 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin connector) and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For replacing a F930GOT unit with the GT1030 series unit converts D-sub 9-pin connector loose wire (Europe terminal block) For connection between PXCPU and GOT/personal computer (GT SoftGOT1000) (D-sub 9-pin) For connection between O/LCPU and GOT For replacing a F930GOT unit with the GT1030 series unit Converts D-sub 9-pin, female) and GOT (MINI-DIN 6-pin, male) For connection between O/LCPU and GOT For replacing a F930GOT unit with the GT1030 series unit Converts D-sub 9-pin, female) and GOT (MINI-DIN 6-pin, male) For connection between O/LCPU and GOT	● ● +6 ■ +6 ■ +6	-	- - •	-		
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit OnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board connection cable Connector conversion cable for F930—GT1030 replacement O/LCPU direct connection cable	GT16-C02R4-9S GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT10-C30R4-25P GT10-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 3m 10m 20m 30m 10m 20m 30m 10m 20m 30m 1m 1m 3m 10m 20m 30m 1m 3m 10m 20m 30m 3m 10m 20m 3m		For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between PA-CNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between AndAFXCPU (D-sub 25-pin connector) and GOT For connection between AndAFXCPU (D-sub 25-pin connector) and GOT For connection between AndAFXCPU (D-sub 25-pin connector) and GOT For connection between Serial communication unit (AJT1QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For replacing a F930GOT unit with the GT1030 series unit Converts D-sub 9-pin connector to loose wire (Europe terminal block) For connection between PYCPU and GOT (For connection between Q/LCPU and GOT For connection between Q/LCPU and GOT For connection between Q/LCPU and GOT For connection between GOT and GOT	● ● +6 ● +6 ● +6 ■ +6 	-	- - •	-	- 43 - 43 43 	- 444
Ferrite core set for A RS-422 conversion RS-485 terminal bl	cable ock conversion unit OnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board connection cable Connector conversion cable for F930—GT1030 replacement O/LCPU direct connection cable	GT16-C02R4-9S GT16-C02R4-9S GT16-C02R4-25S FA-LTBGTR4CBL05 FA-LTBGTR4CBL10 GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT01-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C10R4-6C GT09-C30R4-6C GT09-C30R4-6C GT01-C10R4-8P GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	0.2m 0.5m 1m 2m 3m 10m 20m 30m 30m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 10m 20m 30m 10m 20m 30m 10m 3m 10m 20m 30m 3m 10m 20m 30m 3m 10m 20m 3m 3m 10m 20m 3m 3m 3m 10m 20m 3m		For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins) For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins) RS-485 terminal block conversion unit #With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between PA-CNV_CBL and GOT For connection between FA-CNV_CBL and GOT For connection between AG6BT-64-S3 and GOT For connection between AG6BT-64-S3 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin connector) and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For replacing a F930GOT unit with the GT1030 series unit converts D-sub 9-pin connector loose wire (Europe terminal block) For connection between PXCPU and GOT/personal computer (GT SoftGOT1000) (D-sub 9-pin) For connection between O/LCPU and GOT For replacing a F930GOT unit with the GT1030 series unit Converts D-sub 9-pin, female) and GOT (MINI-DIN 6-pin, male) For connection between O/LCPU and GOT For replacing a F930GOT unit with the GT1030 series unit Converts D-sub 9-pin, female) and GOT (MINI-DIN 6-pin, male) For connection between O/LCPU and GOT	● ● +6 ● +6 ● +6 ■ +6 	-	- - •	-		

Cables

	Product name	Model name	Cable	nroducts	Application		App	licable	e mod	iei 🏊	4
	Floudet Haine	Woder Hame	length	*1	Application	GT16	GT15	GT12	GT11	Handy	GT
	FX communication function				For connection between FXCPU communication function extension board					uo.	Г
					(D-sub 9-pin connector) and GOT/personal computer (GT SoftGOT1000) (D-sub 9-pin)						
	extension board connection		_		For connection between FXCPU communication function adapter			_			
	cable, FX communication	GT01-C30R2-9S	3m	-	(D-sub 9-pin connector) and GOT	•			•	* 3	
	function adapter connection				For connection between personal computer (screen design software)						
RS-232 cable	cable, Data transfer cable				(D-sub 9-pin, female) and GOT (D-sub 9-pin, female)						
IO LOL GUDIC	FX communication function				For connection between FXCPU communication special adapter (D-sub 25-pin			-			⊢
		GT01-C30R2-25P	3m	_						*3	
	adapter connection cable				connector) and GOT, personal computer (GT SoftGOT1000) (D-sub 9-pin)			-			⊢
	Computer link	GT09-C30R2-9P	3m		For connection between serial communication unit and GOT						
	connection cable	OT00 000D0 05D	_	1 0	For connection between computer link unit and GOT					*3	
	CONTICULOR CADIC	GT09-C30R2-25P	3m		For connection between AJ65BT-R2N and GOT (GT09-C30R2-9P only)						L
	i bflld-00T	GT16H-CNB-42S	_	-	Converts Handy GOT connector to RJ-45 for terminal block, D-sub connector or Ethernet for each signal type	-	-	-	_	*7	
connector convers	sion box for Handy GOT	GT11H-CNB-37S	-	_	Converts D-sub 37-pin connector to terminal block and D-sub 9-pin connector	-	_	_	_	*8	Г
		GT16H-C30-42P	3m								Г
		GT16H-C60-42P	6m	1 _	For connection between connector conversion box and Handy	_	l _	_	_	*7	
		GT16H-C100-42P	10m	1	GOT					-	
		GT16H-C30-32P	3m					-			⊢
				-							
		GT16H-C50-32P	5m		For connection between CC-Link interface unit and Handy GOT	_	l –	_	_	* 7	
	FA device, power supply	GT16H-C80-32P	8m	1	To some some some some some some some som					-	
	and operation switch	GT16H-C130-32P	13m								
	connection cable	GT11H-C30-37P	3m								
External		GT11H-C60-37P	6m	1 –	For connection between FA device connection relay cable	_	l –	-	_	*8	
onnection cable		GT11H-C100-37P	10m	1	and GOT						
		GT11H-C30	3m								H
		GT11H-C60	6m	1 _	For connection between FA device, power supply and	_	_	_	_	*8	
			10m	+	operation switches and GOT						
		GT11H-C100	-								₽
		GT11H-C30-32P	3m	1							
	Dedicated cable for	GT11H-C50-32P	5m	_	For connection between CC-Link interface unit and Handy GOT	_	_	_	_	*8	
	CC-Link interface unit	GT11H-C80-32P	8m	1							
		GT11H-C130-32P	13m								
					For connection between FXCPU and GOT					_	Г
	RS-422, power supply	GT11H-C15R4-8P	1.5m	_	For connection between power supply and operation switches and GOT	_	-	-	_	*8	
A device	and operation switch				For connection between A/QnACPU and GOT						H
connection	connection cable	GT11H-C15R4-25P	1.5m	-	For connection between power supply and operation switches and GOT	-	-	-	_	*8	
elay cable	DC 000 newer supply and				For connection between power supply and operation switches and GOT						⊢
	RS-232, power supply and	GT11H-C15R2-6P	1.5m	-		_	l –	-	_	●*8	
	operation switch connection cable				For connection between power supply and operation switches and GOT						L
Barcode reader co	nnection cable	GT10-C02H-6PT9P	0.2m	l _	For connection between barcode reader (D-sub 9-pin, male)	_	l _	_	_	_	
	iniconon cabic	G110 002.1 01 10.	0.2		and GOT (MINI-DIN 6-pin, male) RS-232						
utomol I/O unit o	annestian conversion coble	CT1E COOLIED	0.2m	10	For connection between GOT1000 (external I/O unit) and GOT-A900 external I/O		•	_			
External I/O unit of	onnection conversion cable	GT15-C03HTB	0.3m	0	interface unit connection cable (A8GT-C05TK/A8GT-C30TB/user-fabricated cable)	_	_	-	_	_	
nalog RGB cable		GT15-C50VG	5m	0	For connection between external monitor, personal computer and vision sensor and GOT	•	•	- 1	_	_	Г
	RS-232/USB conversion			Ť	For connection between personal computer (USB) and GOT (RS-232)	_					H
	adapter for data transfer	GT10-RS2TUSB-5S	_	-	(Adapter and personal computer are connected with GT09-C30USB-5P.)	-	-	-	_	_	
JSB cable	adapter for data transfer				For connection between personal computer (USB) and GOT (USB mini-B)						H
JOD Cable	Data transfer cable	OTOO COOLICE ED	0								
	Data transfer cable	GT09-C30USB-5P	3m	0	For connection between QnUCPU (USB mini-B) and personal computer (GT SoftGOT1000)						⊬
					For connection between printer and GOT (printer unit)	•	•	_	_	_	L
xtension USB wa	•	GT10-C10EXUSB-5S	1m		For extending the USB port of GOT to the control panel	_	_	-	_	-	L
The other produ The applicable of Can be used wh Can be used on Can be used on	IL is developed by Mitsubishi Electrics listed are developed by Mitsubishi onnection configuration and cable var en used together with the Handy GOT y with the GT105☐ and GT104☐. y with the GT1030 and GT1020. RS-422/485 interface of GT16 main u y with the T16 Handy.	Electric System & Service C y depending on the GOT ma connector conversion box.	o., LTD. and ain unit. For n	sold throu nore detail	gh your local sales office. s, see the GOT1000 Series Handbook and the GOT1000 Series Connecti	on Mar	ual.				

Cables for third party FA devices

	Duaduat name	Medel news	Cable	Third party	COT connection destination		Appl	icabl	e mod	* leb	2
	Product name	Model name	length	products *1	GOT connection destination	GT16	GT15	GT12	GT11	Handy GOT	GT1
	Cable for OMRON PLC Cable for KEYENCE PLC	GT09-C30R20101-9P GT09-C30R20102-25S GT09-C30R20103-25P GT09-C30R21101-6P GT09-C30R21102-9S	3m 3m 3m 3m 3m		PLC CPU: CPM2A/CQM1(H)/CS1/CJ1/CJ2H/CP1E/C200HX/C200HG/ C200HE/CV500/CV1000/CV2000/CW11 RS-232C adapter: CPM1-CIF01/CPM2C-CIF01-V1 Cable: CPM2C-CN111/CQM1-CIF02 Serial communication unit/board: CQM1-SCB41/C200HW-CQM02/ C200HW-CQM05/C200HW-CQM06/CS1W-SCB41/CV1)/CS1W-SCB41(-V1)/CS1W-SCB41(-V1)/CS1W-SCU21(-V1)/CJ1W-SCU21(-V1)/CJ1W-SCU21(-V1)/CJ1W-SCU21(-V1)/CJ1W-CIF01 Connection cable: CQM1-CIF01 Base mount type host link unit: C500-LK201-V1/C200H-LK201-V1 PLC CPU: KV-700/1000/3000 Multi-communication unit: KV-L20/KV-L20R/KV-L20V (port 1)					401	*4
	Cable for Sharp Manufacturing	GT09-C30R21103-3T	3m 3m	-	Multi-communication unit: KV-L20/KV-L20R/KV-L20V (port 2) PLC CPU: JW-22CU/70CUH/100CUH/100CU						_
	Systems PLC	GT09-C30R20602-15P	3m	1	PLC CPU: JW-32CUH/33CUH/Z-512J						
S-232	Cables for JTEKT PLC	GT09-C30R21201-25P	3m	1	RS-232/RS-422 converter: TXU-2051	İ					
5-232 ble	Cable for Shinko Technos digital indicating controller	GT09-C30R21401-4T	3m	0	Digital indicating controller: FCR-100/FCD-100/FCR-23A/PC-900/FIR series	•	•	•	•	*3	
	Cable for	GT09-C30R20501-9P	3m	1	PLC CPU: T2E						
	TOSHIBA PLC	GT09-C30R20502-15P	3m		PLC CPU: T2N						l
	Cable for Hitachi Industrial	GT09-C30R20401-15P	3m		PLC CPU: Large-size H series/H200 to 252 series/H series board type/EH-150 series Intelligent serial port module: COMM-H/COMM-2H						
	Equipment Systems PLC	GT09-C30R20402-15P	3m	1	PLC CPU: H-4010/H-252C/EH-150 series						
	Cable for Hitachi PLC	GT09-C30R21301-9S	3m	1	Communication module: LQE560/LQE060/LQE160						
	Cable for Fuji Electric FA Components & Systems PLC	GT09-C30R21003-25P	3m		RS-232C interface card: NV1L-RS2 RS-232C/485 interface capsule: FFK120A-C10 General interface module: NC1L-RS2/FFU120B						
		GT09-C30R20901-25P	3m	1	RS-422→232 conversion adapter: AFP8550						
	Cable for Panasonic Electric Works	GT09-C30R20902-9P	3m	1	PLC CPU: FP2/FP2SH/FP3/FP5/FP10(S)/FP10SH/FP-M Computer communication unit: AFP2462/AFP3462/AFP5462						•
	PLC	GT09-C30R20903-9P	3m	1	PLC CPU: FP1-C24C/C40C						*4
		GT09-C30R20904-3C	3m	1	PLC CPU: FP1-C16CT/C32CT/FPOR	1					

*1: Items listed above are developed by Mitsubishi Electric System & Service Co., LTD., and sold through your local sales office.

*2: The applicable connection configuration and cabbe vary depending on the GOT main unit. For more details, see the GOT1000 Series Handbook and the GOT1000 Series Connection Manual.

*3: RS-422 cables less than 10m and the RS-232 cable less than 3m can be used when the connector conversion box for the Handy GOT is used.

*4: Can be used only with the GT105 and GT104.

Cables for third party F∆ devices

	Product name	Model name	Cable	nroducts	GOT connection destination		_	icabl	e mod	lel *	2
	Froduct name	Woder Hame	length	*1		GT16	GT15	GT12	GT11	Handy GOT	GT10
	Cable for	GT09-C30R20201-9P	3m		PLC CPU: GL120/GL130/MP-920/MP-930/CP-9200(H)/PROGIC-8 (port 1) MEMOBUS module: JAMSC-IF60/JAMSC-IF61 Communication module: 217IF/CP-217IF (when connected to CN1)/ 217IF-01/218IF-01						
	YASKAWA Electric PLC	GT09-C30R20202-15P GT09-C30R20203-9P GT09-C30R20204-14P	3m 3m 3m		PLC CPU: PROGIC-8 (port 2) PLC CPU: CP-9300MS PLC CPU: MP-940						*4
RS-232		GT09-C30R20205-25P	3m		MEMOBUS module: CP-217IF (when connected to CN2) Yokogawa Electric personal computer module: LC01-0N/LC02-0N						
cable	Cable for Yokogawa Electric PLC	GT09-C30R20301-9P GT09-C30R20302-9P GT09-C30R20305-9S	3m 3m 3m	1	CPU port/D-sub 9-pin conversion cable: KM10-0C/KM10-0S Personal computer link module: F3LC01-1N/F3LC11-1N/F3LC11-1F/F3LC12-1F PLC CPU: NFCP100/NFJT100						_
	Cable for Yokogawa Electric temperature controller Cable for Allen-Bradley	GT09-C30R20304-9S	3m		Converter: ML2-						
	(Rockwell Automation, Inc.) PLC Cable for	GT09-C30R20701-9S	3m	-	PLC CPU: SL500 series						
	Siemens AG PLC	GT09-C30R20801-9S GT09-C30R40101-9P	3m 3m		HMI adapter PLC CPU: CV500/CV1000/CV2000/CVM1						
		GT09-C100R40101-9P GT09-C200R40101-9P GT09-C300R40101-9P	10m 20m 30m		Serial communication unit: CJ1W-SCU41 Serial communication board: CQM1-SCB41/CS1W-SCB41 Communication board: C200HW-COM03/COM06						
	Cable for	GT09-C30R40102-9P GT09-C100R40102-9P	3m	1	Communication board. C200HW-COM05/COM06						
	OMRON PLC	GT09-C200R40102-9P GT09-C300R40102-9P	10m 20m	1	Base mount type host link unit: C200H-LK202-V1/C500-LK201-V1						*4
		GT09-C30R40103-5T	30m 3m								
		GT09-C100R40103-5T GT09-C200R40103-5T	10m 20m		Communication board: CP1W-CIF11/CP1W-CIF12/CJ1W-CIF11						
		GT09-C300R40103-5T GT09-C30R41101-5T	30m 3m	1							
	Cable for KEYENCE PLC	GT09-C100R41101-5T GT09-C200R41101-5T	10m 20m	1	Multi-communication unit: KV-L20/KV-L20R/KV-L20V (port 2)						
		GT09-C300R41101-5T GT09-C30R40601-15P	30m 3m								
		GT09-C100R40601-15P GT09-C200R40601-15P	10m 20m	-	PLC CPU: JW-22CU/70CUH/100CUH/100CU						
		GT09-C300R40601-15P GT09-C30R40602-15P	30m 3m	-							
	Cable for Sharp Manufacturing	GT09-C100R40602-15P GT09-C200R40602-15P	10m 20m	-	PLC CPU: JW-32CUH/33CUH/Z-512J						
	Systems PLC	GT09-C300R40602-15P GT09-C30R40603-6T	30m 3m	-							
		GT09-C100R40603-6T GT09-C200R40603-6T	10m 20m		Link unit: JW-21CM/JW-10CM/ZW-10CM						
		GT09-C300R40603-6T GT09-C30R41201-6C	30m 3m	1							
	Cable for JTEKT PLC	GT09-C100R41201-6C GT09-C200R41201-6C	10m 20m		PLC CPU: PC3J/PC3JL Communication module: PC/CMP2-LINK		•	•	•	•	
		GT09-C300R41201-6C GT09-C30R40501-15P	30m 3m							*3	
		GT09-C100R40501-15P GT09-C200R40501-15P GT09-C300R40501-15P	10m 20m 30m	-	PLC CPU: T2/T3/T3H/model3000(S3)						
	Cable for	GT09-C30R40502-6C GT09-C100R40502-6C	3m 10m]	PLC CPU: T2E/model2000(S2)						-
RS-422	TOSHIBA PLC	GT09-C200R40502-6C GT09-C300R40502-6C	20m 30m		PLC GPU. 12E/III0dei2000(S2)	•					
cable		GT09-C30R40503-15P GT09-C100R40503-15P	3m 10m	_	PLC CPU: T2N	*5					
		GT09-C200R40503-15P GT09-C300R40503-15P	20m 30m		FLO GFU. 12N						
	Cable for Hitachi Industrial	GT09-C30R40401-7T GT09-C100R40401-7T GT09-C200R40401-7T	3m 10m 20m	1	Intelligent serial port module: COMM-H/COMM-2H						
	Equipment Systems PLC	GT09-C200R40401-71 GT09-C300R40401-7T GT09-C30R41301-9S	30m 3m	1							
	Cable for Hitachi PLC	GT09-C30R41301-9S GT09-C200R41301-9S GT09-C200R41301-9S	10m 20m	1	PLC CPU: LQP510 Communication module: LQE565/LQE165						
	THEACH T LO	GT09-C300R41301-9S GT09-C30R41001-6T	30m		Communication module. EQE505/EQE105						
	Cable for Fuji Electric FA Components & Systems	GT09-C100R41001-6T	3m 10m		RS-232C/485 interface capsule: FFK120A-C10 General interface module: NC1L-RS4/FFU120B						
	PLC	GT09-C200R41001-6T GT09-C300R41001-6T	20m 30m	1	General Interface module: NC1L-HS4/FFU120B						
		GT09-C30R40201-9P GT09-C100R40201-9P	3m 10m		MEMOBUS module: JAMSC-120NOM27100/JAMSC-IF612						
	Cable for	GT09-C200R40201-9P GT09-C300R40201-9P	20m 30m	1							
	Yaskawa Electric PLC	GT09-C30R40202-14P GT09-C100R40202-14P	3m 10m	_	PLC CPU: MP940						*4
		GT09-C200R40202-14P GT09-C300R40202-14P	20m 30m	_	1 EO 01 0. WII 340						
		GT09-C30R40301-6T GT09-C100R40301-6T	3m 10m		Personal computer link module: F2I C11 2N						
	PLC	GT09-C200R40301-6T GT09-C300R40301-6T	20m 30m	-	Personal computer link module: F3LC11-2N						
	PLC	GT09-C30R40302-6T GT09-C100R40302-6T	3m 10m		Demonstration and the Local City						
	Cable for	GT09-C200R40302-6T GT09-C300R40302-6T	20m 30m	1	Personal computer link module: LC02-0N						
	Yokogawa Electric	GT09-C30R40303-6T GT09-C100R40303-6T	3m 10m	1							-
	Tomporatura	GT09-C100R40303-6T GT09-C200R40303-6T GT09-C300R40303-6T	20m 30m		Temperature controller: GREEN series						
		L COLUMN COLUMN 4U.3U.3-D	JUIII	4	L				1		1
	Temperature controller	GT09-C30R40304-6T GT09-C100R40304-6T	3m 10m	-							

- *1: Items listed above are developed by Mitsubishi Electric System & Service Co., LTD., and sold through your local sales office.
- *2 : The applicable connection configuration and cable vary depending on the GOT main unit. For more details, see the GOT1000 Series Handbook and the GOT1000 Series Connection Manual *3 : RS-422 cables less than 10m and the RS-232 cable less than 3m can be used when the connector conversion box for the Handy GOT is used.
- *4 : Can be used only with the GT105 and GT104.

80

*5 : To connect with RS-422/485 interface of GT16 main unit, an RS-422 conversion cable (GT16-C02R4-9S) is necessary

Notes for use

Backward compatibility

Project data

■GT Designer/GT Designer2 → GT Works3 compatibility *

Project data created in GT Designer2 can be used in GT Works3. Project data created in GT Designer can be used in GT Works3 after the data is converted by GT Designer2/GT Designer2 Classic.

■GOT900 series → GOT1000 series compatibility *

● Using data from the GOT-A900 series

Project data for the GOT-A900 series can be used in the GOT1000 series. For the details, see Technical Bulletin No.GOT-A-0009 "Precautions when Replacing GOT-A900 Series with GOT1000 Series".

● Using data from the GOT-F900 series

Project data for the GOT-F900 series can be used in the GOT1000 series. For the details, see "Replacement Guidance (for GOT1000 Series) - From GOT-F900/A950 Handy Series to GOT1000 Series" (JY997D39301).

*Some data and functions cannot be used in the GOT1000 series.

Cables

- For details on using the GOT-A900 series bus connection cables, RS-422 cables and RS-232 cables with the GOT1000 series, see Technical Bulletin No.GOT-A-0009.
- For details regarding use of the GOT-F900 series RS-422 cable with the GOT1000, please contact your local sales office.
- The bus connection cables, RS-422 cables and RS-232 cables for the GOT1000 series cannot be used for the GOT900 series.

(For details regarding use of bus connection cables in systems where both the GOT-A900 and GOT1000 series coexist, see Technical Bulletin No. GOT-A-0009.)

Panel cut dimensions

■ GOT900 series → GOT1000 series compatibility

- The A985GOT(-V) and GT1685/GT1585, A975/970GOT(-B) and GT167□/GT157□, F940GOT and GT1655/GT155 /GT115 /GT105 have the same panel dimensions, respectively. Therefore, it is not necessary to change the mounting hole size.
- Although the A95 differs in panel cut dimensions from the GT1655, GT155, GT115 QBDQ and GT115 QBDA, the GOT900 series model can be replaced with any of the GOT1000 series ones without changing the mounting hole size.

Selection of optional units and devices

Using the optional functions listed in the table below may require optional devices or units as shown. Note that the availability of the function or the required optional units and devices may vary depending on the model of the GOT main unit.

Functions not listed in the table below may also require a CF card or a USB memory device depending on the application. For details, see "Function list" (page 70) and "GT Designer3 Version1

An optional function board or a CF card may be necessary depending on the function version and hardware version of the GOT main unit or available space of the user area.

For details, see "Optional function board, CF card, and USB memory selection <GT16/GT15/GT12/GT11>" (page 82). - : Function that cannot be used on the model

		or card, and oob memory selection car for a		— : Function that cannot be ed optional units and devices	useu	OII tile	mode
	Function	GT16	GT16 Handy	ed optional units and devices GT15	GT12	GT11*6	GT10
Memory exter	ension	CF card	CF card	Optional function board: GT15-QFNB M or GT15-MESB48M	G112	G111	G110
				CF card	Not		_
Multi-channel	I function	Not necessary	Not necessary	Optional function board: GT15-QFNB(\(\sum M \)) or GT15-MESB48M	Not necessary	_	<u> </u>
fultimedia fu	unction*1	Multimedia unit: GT16M-MMR CF card for multimedia	-	_	-	_	_
	Video input*1*2	deo input unit: GT16M-V4 - Video input unit: GT15V-75V4 - or deo/RGB input unit: GT15V-75V4R1 Video/RGB input unit: GT15V-75V4R1				-	-
Video/RGB function RGB input*1 *2		RGB input unit: GT16M-R2 or Video/RGB input unit: GT16M-V4R1	RGB input unit: GT15V-75R1 or Video/RGB input unit: GT15V-75V4R1			_	_
	RGB output*1 *2	RGB output unit: GT16M-ROUT	-	RGB output unit: GT15V-75ROUT	_	-	-
CF card unit/0	CF card extension unit	CF card unit: GT15-CFCD or CF card extension unit: GT15-CFEX-C08SET	-	CF card unit: GT15-CFCD or CF card extension unit: GT15-CFEX-C08SET	-	_	-
ound output	t function	Sound output unit: GT15-SOUT	-	Sound output unit: GT15-SOUT	_	_	_
	onal computer operation	RGB input unit: GT16M-R2 or	_	RGB input unit: GT15V-75R1 or	_	-	_
ınction (seria	ai)****	Video/RGB input unit: GT16M-V4R1		Video/RGB input unit: GT15V-75V4R1			
xternal input peration pan	ut/output function, nel function	External input/output unit: GT15-DIO or GT15-DIOR	-	External input/output unit: GT15-DIO or GT15-DIOR	_	-	-
le transfer f	function (FTP client)	USB memory device or CF card	USB memory or CF card	CF card	-	-	-
ateway fund	ction	Not necessary	Not necessary	Ethernet communication unit: GT15-J71E71-100	Not necessary	_	_
ES interface	e function	Optional function board: GT16-MESB	-	Ethernet communication unit: GT15-J71E71-100 Optional function board: GT15-MESB48M	_	_	-
ocument dis	splay function	CF card	CF card	Optional function board: GT15-QFNB(\(\subseteq M \)) or GT15-MESB48M CF card	_	_	-
peration log	g function	CF card	CF card	CF card	-	_	_
ackup/resto	oration function	USB memory device or CF card	USB memory or CF card	CF card	CF card	_	-
Maintenance	time notification function	Not necessary (equipped with battery as standard feature)	Not necessary (equipped with battery as standard feature)	Battery: GT15-BAT	-	_	-
NC data inp	out/output function*3	USB memory device or CF card	-	CF card	_	_	-
	tor function*4 Q/L/QnA ladder monitor	Not necessary	Not necessary	Optional function board: GT15-QFNB(\square M) or GT15-MESB48M	_	_	_
FC monitor	function*4	CF card	CF card	Optional function board: GT15-QFNB M or GT15-MESB48M CF card	_	_	_
Notion SFC r	monitor function*4	CF card	CF card	Optional function board: GT15-QFNB M or GT15-MESB48M CF card	-	-	-
adder editor	r function*5	CF card	CF card	Optional function board: GT15-QFNB M or GT15-MESB48M CF card	-	-	_
Report function	on	Printer unit: GT15-PRN (when PictBridge-compatible printer is used) CF card	-	Printer unit: GT15-PRN (when PictBridge-compatible printer is used) CF card	-	_	_
	Saving files on CF card	CF card	CF card	CF card	CF card	_	-
lard copy	Saving lifes on Cr Caru						

- *1 : Excluding the GT16 -VNB and GT1655.
- *4 : Excluding QVGA of the GT155
- *2: For the GT15, only the GT1585V and GT1575V are applicable. *5: Excluding the GT155

 *3: Only XGA and SVGA of the GT16 and GT15 are applicable. *6: Including the GT11 Ha

iQ PI

83

Optional function board, CF card, and USB memory selection <GT16/GT15/GT12/GT11>

When using the GT16

■When using optional functions & extended functions When using the MES interface function, install the optional function board GT16-MESB.

No optional boards are necessary when using other functions.

Some functions, however, may require a CF card due to OS installation.

Some functions, however, may require a CF card due to OS installation. See below for details.

■Storage memory (ROM) and operation memory (RAM)

The GOT operates by decompressing the OS and project data, which is stored in the storage memory (ROM), into the operation memory (RAM). Since the GT16 compresses some data before storing it in the storage memory (ROM), the data size becomes larger when decompressed in the operation memory (RAM).

The GT16 has a 15MB* built-in flash memory for storage memory (ROM) as a standard feature. The CF card expands the memory capacity if the OS and project data exceeds 15MB*. The GT16 has a 57MB* operation memory (RAM) as a standard feature. The operation memory is not extendable.

The built-in flash memory is for "drive C". The CF card is for "drive A (standard)" or "drive B (extension)."

Storage memory (ROM)	Built-in flash memory 15MB*					
Operation memory (RAM)		57MB*	1	data from ROM to RAM for operation		

*: Differs depending on the GOT main unit model.

■Types and capacities of data and CF card selection

The data types and capacities are as shown in the table below.

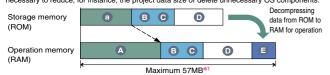
Data type	Data capacity						
a Extended function OS and optional function OS stored in ROM	Capacity of "GT16(ROM)" in [Table A] on page 84						
A Extended function OS and optional function OS decompressed in RAM	Capacity of "GT16(RAM)" in [Table A] on page 84						
B Communication driver	Check with [Table B] on page 84.						
© Special data	Check with a screen design software.						
D Project data	Check with a screen design software.						
E Buffering area	Check with a screen design software.						

As for the extended function OS and optional function OS, when decompressing the compressed data 3 in the storage memory (ROM) to the operation memory (RAM), the data size becomes larger as shown in 3.

The buffering area (a) is an area for storing resource data for the functions such as logging and advanced alarms. It uses the operation memory (RAM). The data size differs depending on the setting

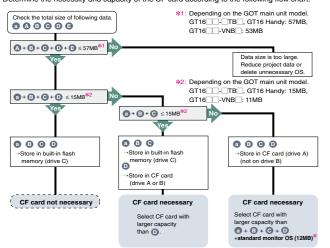
When the file save mode is specified in the screen design software, the accumulated resource data is stored in the designated storage (drive A or B). (The storage memory (ROM) is not used.)

If the size of data decompressed on the operation memory (RAM) exceeds 57MB*1, it is necessary to reduce, for instance, the project data size or delete unnecessary OS components.



Necessity and capacity of the CF card depends on the data size.

Determine the necessity and capacity of the CF card according to the following flow chart.



*: When storing the extended function OS and optional function OS in the CF card (drive A), the standard monitor OS (standard monitor OS, standard font, etc.) needs to be stored in the CF card (drive A).

■CF card and USB memory capacities

The CF card and USB memory capacities are as follows.

FAT16 format: max. 2GB, FAT32 format: max. 32GB.

82

(Boot OS and standard monitor OS of GT Designer3 Ver.1.17T or later must be installed in order to use a CF card or USB memory with a capacity exceeding 2GB. Such CF cards and USB memories cannot be used with GT Works2 / GT Designer2.)

When using the GT15

When using optional functions & extended functions

When using the following function, install the optional function board GT15-MESB48M.

• MES interface function

When using the following function, install the optional function board GT15-QFNB_M or GT15-MESB48M.

SFC monitor function • Motion SFC monitor function

When using the following functions, install the optional function board GT15-QFNB(
) or

T15-MESB48M.

The following GOT requires no optional function boards when using optional functions other than above.

GT15: hardware version D or later

To activate the built-in optional function board in the GOT, it is necessary to install the standard monitor OS on the GOT using GT Designer Version 2.55H or later.

Some functions, however, require an optional function board with expansion memory (GT15-QFNB_M or GT15-MESB48M) and a CF card.

See below for details.

■Storage memory (ROM) and operation memory (RAM)

The GOT operates by decompressing the OS and project data, which is stored in the storage memory (ROM), into the operation memory (RAM). The GT15 has a 9MB* memory for the storage memory (ROM) and the operation memory (RAM) as a standard feature. When the OS or the project data exceeds 9MB*, use a CF card and an optional function board with expansion memory (GT15-QFNB_M or GT15-MESB48M) to increase the memory capacity.

The built-in flash memory is for "drive C". The CF card is for "drive A (standard)" or "drive B (extension)."

Storage memory (ROM)	Built-in flash memory 9MB*	Extended by CF card	1	Decompressing data from ROM to
Operation memory (RAM)	9MR*	Extended by optional function board (GT15-QFNB M or GT15-MESB48M)	4	RAM for operation

*: Differs depending on the GOT main unit model: GT15 ___- TB __: 9MB, GT15 ___- VNB __: 5MB

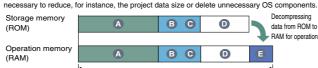
Types and capacities of data and CF card selection The data types and capacities are as shown in the table below.

Data type	Data capacity
A Extended function OS, optional function OS	Capacity of "GT15" on [Table A] on page 84
B Second communication driver and onwards	150KB for each
G Special data	Check with a screen design software.
Project data	Check with a screen design software.
Buffering area	Check with a screen design software.

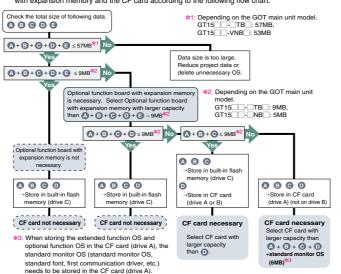
The buffering area (a) is an area for storing resource data for the functions such as logging and advanced alarms. It uses the operation memory (RAM). The data size differs depending on the setting.

When the file save mode is specified in the screen design software, the accumulated resource data is stored in the designated storage (drive A or B). (The storage memory (ROM) is not used.)

If the size of data decompressed on the operation memory (RAM) exceeds 57MB*1, it is



Necessity and capacity of the optional function board with expansion memory and the CF card depends on the data size. Determine the necessity and capacity of the optional function board with expansion memory and the CF card according to the following flow chart.



■CF card capacities

The CF card capacities are as follows. FAT16 format: max. 2GB, FAT32 format: not usable

When using the GT12

When using optional functions & extended functions The optional function board is not required when using the optional functions or extended functions.

Some functions, however, may require a CF card due to OS installation. See below for details.

Storage memory (ROM) and operation memory (RAM) The GOT operates by decompressing the OS and project data, which is stored in the storage memory (ROM), into the operation memory (RAM).

The GT12 has a 9MB built-in flash memory for storage memory (ROM) as a standard feature.

The CF card expands the memory capacity if the OS and project data exceeds 9MB. Up to 6MB of project data can be stored in the storage memory (ROM) or a CF card. When storing the project data to the storage memory (ROM), the maximum size of the project data may be less than 6MB depending on the data size of the extended function OS, optional function OS, and communication drivers.

The GT12 has a 12MB operation memory (RAM) as a standard feature. The operation memory is not extendable.

The extended function OS, optional function OS, and communication drivers occupy 6MB of the operation memory (RAM). The remaining 6MB of the operation memory (RAM) is used for the project data and the buffering area.

Storage memory (ROM)	Built-in flash memory 9MB	Extended by CF card		Decompressing data from ROM to
Operation memory (RAM)	12MB		-	RAM for operation

The built-in flash memory is for "drive C". The CF card is for "drive A (standard)"

■Types and capacities of data and CF card selection

Data type	Data capacity
a Extended function OS and optional function OS stored in ROM	Capacity of "GT12(ROM)" in [Table A] on page 84
A Extended function OS and optional function OS decompressed in RAM	Capacity of "GT12(RAM)" in [Table A] on page 84
B Communication driver	Check with [Table B] on page 84.
D Project data	Check with a screen design software.
Buffering area	Check with a screen design software.

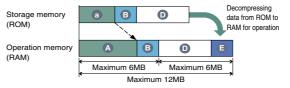
As for the extended function OS and optional function OS, when decompressing the compressed data 3 in the storage memory (ROM) to the operation memory (RAM), the data size becomes larger as shown in 3.

Up to 6MB of the operation memory (RAM) can be used for the total of the data ${\color{red} @}$ and the data ${\color{red} @}$.

The buffering area ⓐ is an area for storing resource data for the functions such as logging and advanced alarms. It uses the operation memory (RAM). The data size differs depending on the setting.

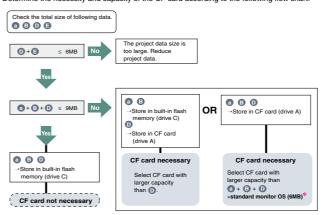
When the file save mode is specified in the screen design software, the accumulated resource data is stored in the designated storage (drive A). (The storage memory (ROM) is not used.)

Up to 6MB of the operation memory (RAM) can be used for the total of the project data
and the buffering area
. If the total data size exceeds 6MB, it is necessary to reduce, for instance, the project data size or delete unnecessary OS.



Necessity and capacity of the CF card depends on the data size.

Determine the necessity and capacity of the CF card according to the following flow chart.



*: When storing the extended function OS and optional function OS in the CF card (drive A), the standard monitor OS (standard monitor OS, standard font, etc.) needs to be stored in the CF card (drive A).

■CF card capacities

The CF card capacities are as follows. FAT16 format: max. 2GB, FAT32 format: not usable

When using the GT11

■When using optional functions

Since the following GOT models have a built-in optional function board (GT11-50FNB), it is unnecessary to mount an optional function board to use optional functions shown in [Table A].

• GT115—Q—BDQ

• GT115—Q—BDA

• GT1155-QTBD

• GT115 HS-Q BD: Version B or later • GT115 -Q BD: Version C or later

■CF card capacities

The CF card capacities are as follows. FAT16 format: max. 2GB, FAT32 format: not usable

2 slots (1st stage)

[Table A] Used capacity of extended functional OS and optional function OS

				User	area size	to be used	(KB)
			Function	GT16/G	T12*13	GT15	GT11
				RAM	ROM	GIIO	GIII
	Barcode	e * 13		84	50	84	*1
	RFID*1	3		166	50	166	*1
	System		nitor*13	692	450	746	*1
	Report			235	150	235	None
	Printer ((Pictl	Bridge)	1104	552	1104	None
	Printer ((seria	al)	200	80	200	None
	Device	name	e conversion library*12 *14	800	400	800	None
		Stro	ke font support function	400	300	400	None
	Stroke	Stro	oke basic font (Japanese)	2160	2160	2160	None
	font	Stro	ke basic font (Japanese) (with Hangul)	3175	3175	3175	None
	IOIIL	Stro	oke basic font (Chinese: Simplified)	1474	1474	1474	None
		Strol	ke basic font (Chinese: Simplified) (with Hangul)	2016	2016	2016	None
Extended functions	Video dis		Video/RGB	480	298	512	None
nct	Multime	dia		1074	292	None	None
d fu			sonal computer operation (Ethernet)	5130	860	None	None
opu	Remote pe computer	rsonal	Video/RGB	480	292	512	None
den	operation (s	serial)	Remote personal computer operation (serial)	84	50	84	None
ú			oration*13	766	420	820	None
	Operato		Operator authentication	730	460	784	None
ı			/keyboard function	200	80	None	None
	Audio o			200	100	200	None
ŀ			, operation panel	100	70	100	None
	CNC da		CNC data input/output	383	210	437	None
	input/ou	input/output GOT platform library		200	77	100	None
	Device	data	transfer	100	50	100	None
	MELSE	C-L t	troubleshooting function	770	340	None	None
	SoftGO	T-GC	OT link function	200	100	200	None
	Log viev	wer f	unction	3882	1434	None	None
	File tran	nsfer	function (FTP client)	1300	300	1300	None
	Mainten	ance	e time notification	*2	*2	*2	None
	Multi-ch	anne	el * 13	*2	*2	*2	None
			Standard font (Chinese: Simplified)	1280	1280	1280	None
			Standard font (Chinese: Traditional)	1920	1920	1920	None
	Chinese	9	Standard font (Japanese)	1280	1280	1280	None
	region		Stroke font (Japanese)	1037	1037	1037	None
			Stroke font (Chinese: Simplified)	1248	1248	1248	None
			Stroke font (Chinese: Traditional)	1680	1680	1680	None
	Operation			1221	384	1218	None
S	Docume			3072	150	2048	None
Optional functions			conversion	None	None	1223	None
S.	Kana-K	anji d	conversion (enhanced version)	2774	1242	2774	None
풀	Historic	al da	ta list display*3 *13	*2	*2	*2	None
ě			end graph*3 *13	*2	*2	*2	None
þ	Logging		k13	710	380	740	None
Ŭ	Recipe			100	70	100	*1
	Advanc			1187	310	1241	None
	Object s	script		360	180	360	None
	Ladder		MELSEC-A ladder monitor	674	342	523	None
	monitor		MELSEC-FX ladder monitor	674	342	592	None
			MELSEC-Q/L/QnA ladder monitor	4170	590	1082	None
	A list edito			1024	542	1058	*1
			MELSEC-FX list editor	1024	542	1058	*1
			nit monitor	770	390	384	None
	Network	moi	nitor	370	210	324	None

		User area size to be used (KB)				
	Function		T12*13		<u>` </u>	
		RAM	ROM	GT15	GT11	
Q motion me	onitor	770	390	607	None	
Servo ampli	fier monitor	770	390	524	None	
CNC monito	r	770	390	588	None	
050	GOT platform library	200	77	100 *5	None	
SFC monitor	SFC monitor	2108	442	1373 *5	None	
*7 Motion SFC monitor*10 Ladder editor	GOT function extension library	19381	4729	4729 *5	None	
Motion SFC	GOT platform library	200	77	100 *11	None	
monitor*10	Motion SFC monitor	12522	1240	2477 *11	None	
Ladder	GOT platform library	200	77	100 *6	None	
editor	Ladder editor	8192	2567	5121 *6	None	
*8	GOT function extension library	19381	4729	4729 *6	None	
	Gateway (server, client)	100	50	100	None	
Gateway	Gateway (mail)	100	50	100	None	
	Gateway (FTP server)*13	84	50	64	None	
MES interfa	De .	13461	1598	3196 *9	None	

- : Requires installation of the optional function OS and extended function OS, but does not use the user area.

- Installation of the optional function OS is not required.

 Installation of the optional function OS is not required.

 It is necessary to specify the logging function and install the optional function OS (logging) in advance.

 Necessary when using the GOT project data that is automatically created by PX Developer (Ver. 1.15 or later) For details, see "PX Developer Version 1 Operating Manual (GOT Screen Generator)(SH-080772ENG).*

 To use the SFC monitor, free space of 6202KB or more is necessary in the user area of the specified drive for installing the extension function OS and optional function OS. The total capacity of the me non-installing are extension function US and optional function OS. The total capacity of the memory necessary for using the SFC monitor is 14393KB. Due to the above, the setting shown in Table 1 is necessary depending on the GOT to be used.

<Table 1>

GOT	Necessary setting
GT157□-VN. GT1562-VN	· Set boot source of OS to "A: standard CF card."
G115/VIN, G11502-VIN	· Memory extension (install optional function board with expansion memory)
Other than above	· Memory extension (install optional function board with expansion memory)
For setting the boot source	of the OS, see "GT Designer3 Version1 Screen Design Manual
(Fundamentals)."	

- *6 : To use the ladder editor, free space of 9950KB or more is necessary in the user area of the specified drive for installing the extension function OS and optional function OS. The total capacity of the memory necessary for using the ladder editor is 21212KB. For the above reasons, when using the ladder editor, specify "A: Standard CF card" for the OS boot source, and mount an optional function board with a memory capacity of 16MB or more.

 *7 : To use the SFC monitor, it is necessary to install all of the GOT platform library, SFC monitor and GOT
- function extension library.
- *8 : To use the ladder editor, it is necessary to install all of the GOT platform library, ladder editor and GOT
- #9 : The operation of the MES interface function uses 8218KB of the extended memory (GT15-MESB48M(48MB)) of GT15's operation memory.

 #10: To use the motion SFC monitor, it is necessary to install all of the GOT platform library and motion SFC
- *11 : To use the motion SEC monitor free space of 2577KB or more is necessary in the user area of the specified To use the motion In Committee, the space or services and optional function OS. The total capacity of the memory necessary for using the motion SFC monitor is 12622KB. For the above reasons, mount an optional function
- board with a memory capacity of 16MB or more. *12: The device name conversion library (extended function) is required when confirming the trigger device on the
- GOT using the backup/restoration function and when outputting the device name using the operation log function.

 *13: Function usable with the GT12.

 *14: The GT12 user usage area is as follows. RAM: 500KB, ROM: 250KB

[Table B] Capacity of GT16/GT12 communication driver

Units connected	Communication driver name	Capacity (KB)
	Bus connection Q	180
Mitsubishi PLC,	A/QnA/L/QCPU, LJ71C24, QJ71C24	180
motion controller,	MELSEC-FX	180
robot controller,	MELSECNET/H	200
CNC	CC-Link IE Controller Network	200
	CC-Link IE Field Network	230
Third party PLC,	JTEKT Corporation TOYOPUC-PC	160
motion controller	Ethernet (Yaskawa Electric Corporation)	160
Microcomputer	Microcomputer connection, Ethernet (microcomputer)	230
Communication drivers other t	han above	150

To use the multi-channel function <GT16/GT15/GT12>

The multi-channel function is designed to connect and monitor multiple FA devices by mounting multiple communication units on a single GOT unit or by using the standard interface.

■ Acceptable combinations

The following connection combinations can be used for the multi-channel function

When using GT16:

- 1)Bus connection or network connection *1 + serial connection *2
- ②Bus connection or network connection *1 + Ethernet connection *3 3Ethernet connection *3 + serial connection *
- Bus connection or network connection *1 + Ethernet connection *3 + serial connection *
- ⑤Serial connection *
- 6 Ethernet connection *3
- * GT16 Handy can be connected only by methods ③ or ⑥.

When using GT15:

- ①Bus connection, network connection *1, or Ethernet connection *3 + serial connection *2
- When using GT12:
- DEthernet connection *3 + serial connection *2
 Serial connection *2
 *1: The network connections include the following connection configurations.

- CC-Link IE Controller Network connection
 CC-Link E Field Network connection
 CC-Link connection (ID) *2: The serial connections include the following connection configurations.
- CPU direct connection
 Computer link connection
 CC-Link connection (via G4) Microcomputer connection (serial)
 Connection with third party PLCs (serial)
- **Temperature controller connection ** Inverter connection * Servo amplifier connect

 **CNC connection (CPU direct connection) ** GOT multi-drop connection

 **MODBUS®/RTU connection **Robot controller connection (serial)

- *3: The Ethernet connections include the following connection configurations.

 Ethernet connection MODBUS*TCP connection Third party PLC connection (Ethernet)

 Robot controller connection (Ethernet) CNC connection (Ethernet)

 Microcomputer connection (Ethernet)

84

- Maximum number of connectable channels, mountable
- units and mounting stages
- (1) Number of connectable channels
 - The number of connectable channels varies depending on the GOT model.
- See Table C on the following page.

 (2) Number of mountable units and mounting stages
- When the multi-channel function is used, add interfaces to the GOT using any of the following methods.
- (a) Stack communication units on the extension interface (b) Mount communication units on the extension interface to use the unit in combination with the standard interface. The number of mountable units and mounting stages vary depending on the GOT model. See Table C on the following
- page. *: The performance of GOT may be affected depending on the configuration of connected devices
- Up to two channels can be connected to the GT12.
 No communication units can be mounted on the GT12.

Optional function board

Not necessary when using the GT16 and GT12.

The GT15 requires an optional function board. Use the optional function board GT15-QFNB(\square M) or GT15-MESB48M. The GT15-FNB cannot be used.

Communication driver

A communication driver must be installed for each of the connection configurations For the GT16, the communication driver is installed in the user area.

For the GT15, communication drivers for the second and subsequent channels will be

For the GT12, the communication driver is installed in the system area

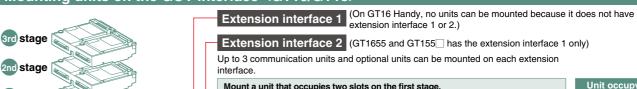
[Table C] Number of connectable channels, number of mountable units and number of mountable stages when the multi-channel function is used

		GT1695/GT1685/ GT167_/GT166_	GT1655	GT1595/GT1585/ GT157_/GT156_	GT155	Handy GT16	GT12	Description		
(1)	Number of connectable channels	Up t	o 4 chann	nels	Up to 2 channels	Up to 4 channels	Up to 2 channels	<gt16 gt12="" gt15=""> The number of communication ports (communication units and interfaces) for use for communication on the GOT. Only one channel per one GOT can be connected in the bus connection (excluding GT12) and network connectior • When the Ethernet interface built into the GOT (GT16/GT12) or the Ethernet communication unit (GT15) is used for functions other than communication with the connected device *4, the interface is not included in the number of connected channels. • The number of channels does not include the interface used for connection with external devices. *5 <gt16 only=""> • Ethernet connection is available for up to four channels.</gt16></gt16>		
	Number of mountable units	Up to 5 units	Up to 3 units	Up to 5 units	Up to 3 units	No units can be mounted	No units can be mounted	The number of units that can be mounted on extension interfaces 1 and 2 of the GOT. • More than one serial communication unit *6 of the same model can be mounted. • Optional units are included in the number of units. • RS-422 conversion units are not included in the number of units. (The RS-422 conversion unit cannot be used with GT1655 and GT155) • It is necessary to calculate the total current consumed by the units to be mounted.	See "Calculation of current consumed by units < GT16/GT15>" (page 85).	
(E)	Number of mounting stages	Up to 3 stages (2 slots)	Up to 3 stages (1 slot)	Up to 3 stages (2 slots)	Up to 3 stages (1 slot)	No units can be mounted	No units can be mounted	The number of mounting stages that units can be stacked on extension interfaces 1 and 2 of GOT. • Units that occupy two slots *7 *8 must be mounted on the first stage. • When any units in *8 are used, mount the unit on the first stage, then mount other units on the second or subsequent stages. • Units in *9 cannot be stacked on other units. Mount units on the first stage.	See "External dimensions" (page 61) and "Mounting units on the GOT side interface <gt16 gt15="">" (page 85).</gt16>	

- *4: Ethernet download function, gateway function, MES interface function, file
- transfer function (FTP client), remote personal computer function (Ethernet) *5: Barcode reader, RFID controller, personal computer (remote personal computer function [serial], FA transparent function, OS write, and project data write), and printer (serial)
- *6: GT15-RS2-9P, GT15-RS4-9S and GT15-RS4-TE
- *7: GT15-QBUS2, GT15-ABUS2, GT15-J71LP23-25, GT15-J71BR13, GT15-J61BT13, GT15-J71GP23-SX
 *8: GT16M-V4, GT15V-75V4, GT16M-R2, GT15V-75R1, GT16M-V4R1, GT15V-75V4R1, GT16M-ROUT, GT15V-75ROUT, GT16M-MMR
- *9: GT15-75QBUSL, GT15-75QBUS2L, GT15-75ABUSL, GT15-75ABUS2L, GT15-75J71LP23-Z, GT15-75J71BR13-Z, GT15-75J61BT13-Z

Mounting units on the GOT interface <GT16/GT15>

(Example: GT1685)



However, when any of the following units are used, mount the unit on the first stage then mount other units on the second and subsequent stages. For GT16 (Only one of these units can be mounted on the GT16 except GT16 -VNB and GT1655)

●GT16M-V4, GT16M-R2, GT16-V4R1, GT16-ROUT, GT16M-MMR

For GT15 (Only one of these units can be mounted on the GT1585V and GT1575V) GT15V-75V4, GT15V-75R1, GT15V-75V4R1, GT15V-75ROUT

The following units must not be stacked on other units. Mount any of them on the first stage

- ●GT15-75QBUSL, GT15-75QBUS2L, GT15-75ABUSL, GT15-75ABUS2L
- ●GT15-75J71LP23-Z, GT15-75J71BR13-Z, GT15-75J61BT13-Z (GT16 or GT155 cannot be used.)

Instructions for mounting and removing the GT15-CFCD

- An extension unit cannot be mounted on a CF card unit. When extension units are mounted, mount the CF card unit on the last stage.
- ●When mounting a CF card unit on extension interface 1 (left), ensure that the number of extension units mounted on extension interface 2 (right) is smaller than the number on the extension interface 1 (left). Otherwise, the CF card cannot be inserted or removed
- ■Remove the CF card unit in the designated direction (△PULL) to prevent damage to the connector

Standard interface (built-in RS-232 interface)

The interface can establish a serial connection with connected devices and peripheral devices, such as a barcode reader.

Standard interface (built-in Ethernet interface) (GT16 only)

The interface can establish a connection with connected devices via Ethernet

The interface can establish a serial connection with connected devices.

Standard interface (built-in RS-422/485 interface) (GT16 only)

Calculation of current consumed by units <GT16/GT15>

When using multiple units, a barcode reader, and a RFID controller, the total current consumed by the units, barcode reader and RFID controller must be less than the current that can be supplied by the GOT. Design the system using the following values so that the total current is within the range of the current supply capacity of the GOT.

1st stage

GT1695 2.4 GT1685 2.4 GT167 2.4 GT166 24 GT1655 1.3 GT1595 2.13 GT1585 1.74 (incl. GT1585V GT157 2.2 (incl. GT1575V) GT156 2.2 GT155 1.3

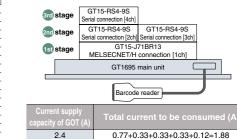
(1) Current that can be supplied by the GOT (2) Current used by units, barcode reader and RFID controller

(2) Current used by ur	ilis, barco	de reader and RFID (controlle
Unit model	Consumed current (A)	Unit model	Consume current (A
GT15-QBUS		Barcode reader	*2
GT15-QBUS2	0.275*1	GT15-PRN	0.09
GT15-75QBUSL	0.275	GT16M-V4	0.12 *
GT15-75QBUS2L		GT15V-75V4	0.2 *1
GT15-ABUS		GT16M-R2	0 *1
GT15-ABUS2	0.12	GT15V-75R1	0.2 *1
GT15-75ABUSL	0.12	GT16M-V4R1	0.12 *
GT15-75ABUS2L		GT15V-75V4R1	0.2 *1
GT15-RS2-9P	0.29	GT16M-ROUT	0.11 *
GT15-RS4-9S	0.33	GT15V-75ROUT	0.11
GT15-RS4-TE	0.3	GT16M-MMR	0.27 *
GT15-RS2T4-9P	0.098	GT15-CFCD	0.07
GT15-J71E71-100	0.224	GT15-CFEX-C08SET	0.15
GT15-J71GP23-SX	1.07	GT15-SOUT	0.08
GT15-J71GF13-T2	0.96	GT15-DIO	0.1
GT15-J71LP23-25	0.56	GT15-DIOR	0.1
GT15-J71BR13	0.77	RFID controller	*2
GT15-J61BT13	0.56		

- *1 : This value is used for calculating the current consumption of multi-channel functions For the specifications of each unit, see the manual supplied with each unit.
- RFID controller at 5VDC. (Maximum: less than 0.3A)

(3) Calculation example

When GT15-I71BR13 GT15-BS4-9S (3 units) and barcode reader (0.12A) are connected to a GT1695.



Since the total current is within the current supply capacity of the GOT, the units can be used.

*2: When using a barcode reader or a RFID controller to which the power is supplied from the standard interface, add the current to be used by the barcode reader or

MELSOFT GT Works3 (English version) operating environment

		Details						
PC	PC/AT compatible machine on which the following OS operates							
os	Microsoft® Windows® 2000 Professional Service Pack 4 or later (English, Simplified Chinese, Traditional Chinese, Korean, German versions)*1 Microsoft® Windows® XP Professional Service Pack 2 or later (English, Simplified Chinese, Traditional Chinese, Korean, German versions)*1*3*4 Microsoft® Windows® XP Home Edition Service Pack 2 or later (English, Simplified Chinese, Traditional Chinese, Korean, German versions)*1*3*4	Microsoft® Windows Vista® Ultimate (English, Simplified Microsoft® Windows Vista® Enterprise (English, Simplifie Microsoft® Windows Vista® Business (English, Simplifie Microsoft® Windows Vista® Home Premium (English, Simplified Microsoft® Windows Vista® Home Basic (English, Simplified Chiem of Windows® 7 Ultimate (English, Simplified Chiem of Windows® 7 Enterprise (English, Simplified Chiem of Windows® 7 Professional (English, Simplified Microsoft® Windows® 7 Foressional (English, Simplified Microsoft® Windows® 7 Foressional (English, Simplified Microsoft® Windows® 7 Starter (English, Simplified Chiem of Windows® 7 S	ed Chinese, Traditional Chinese, d Chinese, Traditional Chinese, mplified Chinese, Traditional Chi fified Chinese, Traditional Chine inese, Traditional Chinese, Kore chinese, Traditional Chinese, Ko I Chinese, Traditional Chinese, I fied Chinese, Traditional Chinese, I	, Korean, German versions)*2*3*4 Korean, German versions)*2*3*4 innese, Korean, German versions)*2*3 se, Korean, German versions)*2*3 an, German versions)*2*3*5*9*10 irean, German versions)*2*3*5*10 irean, German versions)*2*3*3*10 irean, German versions)*2*3*10 irean, German				
CPU	1	GHz or more recommended						
Required memory	512 MB or more recommended	1 GB or	more recommended					
Display		Resolution XGA (1024 × 768 dots) or mor	e					
Available hard disk space		To install GT Designer3: 2 GB or more recommended To run GT Designer3: 512 MB or more recommended						
Display colors		High Color (16 bits) or more						
	PLC CPU t		to be simulated. GX Simulator Version 5.00A or later	GX Works2				
	FX0 series, FX0N series, FX0S series, FX1 series, FX2C series	Version 5.40E or later	Version 1.24A or later					
0-4	Q00JCPU, C	QCPU (Q mode) (excluding Q00J, Q00, and Q01 CPUs) Q00JCPU, Q00CPU, Q01CPU						
Software		PU, Q06PHCPU	Version 7.20W or later					
		PU, Q25PHCPU	Version 6.10L or later	=				
		PU, Q25PRHCPU	Version 6.20W or later					
		duc Series J Series*7	Version 7.08J or later	Version 1.24A or later				
	FX30	Version 7.22Y or later	VOISION 1.24A OF IAIR					
	Q00UJCPU, Q00UCPU, Q01UCPU, Q02UDHCPU, Q10UDHCPU, Q13UDHCPU, Q20UDHCPU	Version 7.23Z or later	Version 1.12N or later					
			Version 1.24A or later					
			Version 1.24A or later					

Mouse, keyboard, printer, CD-ROM drive, sound function (sound card)*8 and loudspeakers*8 used with the above OS

GOT1000 Series

: Only the 32-bit OS is applicable.

: May be required when the simulation function is used.

Windows Touch features are not supported

*10: The 32-bit OS and the 64-bit OS (NEW) are applicable

- : Installation requires administrator authority. Simulating the GOT-A900 requires administrator authority : Installation requires administrator authority. Using GT Works3 requires an account higher than the
- standard user.

 To use GT Works3 with another application, if an administrator account is used to run the application then use an administrator account to run GT Works3.
- Simulating the GOT-A900 requires administrator authority

Others

Applicable GOT

The following functions are not supported: Compatibility Mode, Fast User Switching, Desktop Theme (Font) Change, Remote Desktop

Gratis Warranty Term and Gratis Warranty Range

If any faults or defects (hereinafter "Failure") found to be the responsibility of Mitsubishi occurs during use of the product within the gratis warranty term, the product shall be repaired at no cost via the sales representative or Mitsubishi Service Company.

However, if repairs are required onsite at domestic or overseas location, expenses to send an engineer will be solely at the customer's discretion. Mitsubishi shall not be held responsible for any re-commissioning, maintenance, or testing on-site that involves replacement of the failed module.

Gratis Warranty Term

The gratis warranty term of the product shall be for thirty-six (36) months after the date of purchase or delivery to a designated place.

Note that after manufacture and shipment from Mitsubishi, the maximum distribution period shall be six (6) months, and the longest gratis warranty term after manufacturing shall be forty-two (42) months. The gratis warranty term of repair parts shall not exceed the gratis warranty term before repairs.

Gratis Warranty Range

- (1) The customer shall be responsible for the primary failure diagnosis unless otherwise specified. If requested by the customer, Mitsubishi Electric Corporation or its representative firm may carry out the primary failure diagnosis at the customer's expense. The primary failure diagnosis will, however, be free of charge should the cause of failure be attributable to Mitsubishi Electric Corporation.
- (2) The range shall be limited to normal use within the usage state, usage methods, usage environment, etc. which follow the conditions, precautions, etc. given in the instruction manual, user's manual, caution labels on the product, etc.
- (3) Even within the gratis warranty term, repairs shall be charged for in the following cases.
 - 1) Failure occurring from inappropriate storage or handling, carelessness or negligence by the user. Failure caused by the user's hardware or software design.
 - 2 Failure caused by unapproved modifications, etc., to the product by the user.
 - 3When the Mitsubishi product is assembled into a user's device, Failure that could have been avoided if functions or structures, judged as necessary in the legal safety measures the user's device is subject to or as necessary by industry standards, had been provided.
 - (4) Failure that could have been avoided if consumable parts designated in the user's manual etc. had been correctly serviced or replaced.
 - 5 Replacing consumable parts such as the battery, backlight and fuses.
- 6 Failure caused by external irresistible forces such as fires or abnormal voltages, and Failure caused by force majeure such as earthquakes, lightning, wind and water damage.
- 7) Failure caused by reasons unpredictable by scientific technology standards at time of shipment from Mitsubishi
- 8 Any other failure found not to be the responsibility of Mitsubishi or that admitted not to be so by the user.

Onerous repair term after discontinuation of production

- (1) Mitsubishi shall accept onerous product repairs for seven (7) years after production of the product is discontinued. Discontinuation of production shall be notified with Mitsubishi Technical Bulletins, etc.
- (2) Product supply (including repair parts) is not available after production is discontinued.

Overseas service

Please confirm the following product warranty details before using this product.

Overseas, repairs shall be accepted by Mitsubishi's local overseas FA Center. Note that the repair conditions at each FA Center may differ.

Exclusion of loss in opportunity and secondary loss from warranty liability

Regardless of the gratis warranty term. Mitsubishi shall not be liable for compensation to damages caused by any cause found not to be the responsibility of Mitsubishi, loss in opportunity, lost profits incurred to the user by Failures of Mitsubishi products, special damages and secondary damages whether foreseeable or not, compensation for accidents, and compensation for damages to products other than Mitsubishi products, replacement by the user, maintenance of on-site equipment, start-up test run and other tasks.

Changes in product specifications

The specifications given in the catalogs, manuals or technical documents are subject to change without prior notice.

Product application

- (1) In using the Mitsubishi graphic operation terminal, the usage conditions shall be that the application will not lead to a major accident even if any problem or fault should occur in the graphic operation terminal device, and that backup and fail-safe functions are systematically provided outside of the device for any problem or fault.
- (2) The Mitsubishi graphic operation terminal has been designed and manufactured for applications in general industries, etc. Thus, applications in which the public could be affected such as in nuclear power plants and other power plants operated by respective power companies, and applications in which a special quality assurance system is required, such as for Railway companies or Public service purposes shall be excluded from the graphic operation terminal applications. In addition, applications in which human life or property that could be greatly affected, such as in aircraft, medical applications, incineration and fuel devices, manned transportation equipment for recreation and amusement, and safety devices, shall also be excluded from the graphic operation terminal range of applications. However, in certain cases, some applications may be possible, providing the user consults the local Mitsubishi
- representative outlining the special requirements of the project, and providing that all parties concerned agree to the special circumstances, solely at our discretion. In some of these cases, however, Mitsubishi Electric Corporation may consider the possibility of an application, provided that the customer notifies Mitsubishi Electric Corporation of the intention, the application is clearly defined and any special quality is not required.

GT SoftGOT1000 Version3 (English version) operating environment

Item	Description		
	With DOS/V personal computer	With PC CPU module	
Personal computer	PC/AT compatible machine on which the following OS operates	CONTEC PC CPU unit (PPC-852-212, PPC-852-217, PPC-852-226)*7	
os	Microsoft® Windows® 2000 Professional Service Pack 4 or later (English, Simplified Chinese, Traditional Chinese, Korean, German versions)s2 #4 Microsoft® Windows® XP Professional Service Pack 2 or later (English, Simplified Chinese, Traditional Chinese, Korean, German versions)s3 #4 #9 Microsoft® Windows® XP Home Edition Service Pack 2 or later (English, Simplified Chinese, Traditional Chinese, Korean, German versions)s3 #4 #9 Microsoft® Windows Vista® Ultimate (English, Simplified Chinese, Traditional Chinese, Korean, German versions)s3 #4 #9 Microsoft® Windows Vista® Dusiness (English, Simplified Chinese, Traditional Chinese, Korean, German versions)s3 #4 #9 Microsoft® Windows Vista® Business (English, Simplified Chinese, Traditional Chinese, Korean, German versions)s3 #4 #9 Microsoft® Windows Vista® Home Premium (English, Simplified Chinese, Traditional Chinese, Korean, German versions)s3 #4 #9 Microsoft® Windows Vista® Home Premium (English, Simplified Chinese, Traditional Chinese, Korean, German versions)s3 #4 #9 Microsoft® Windows Vista® Home Basic (English, Simplified Chinese, Traditional Chinese, Korean, German versions)s3 #4 #12 #13 #14 Microsoft® Windows® 7 Enterprise (English, Simplified Chinese, Traditional Chinese, Korean, German versions)s3 #4 #12 #13 #14 Microsoft® Windows® 7 Professional (English, Simplified Chinese, Traditional Chinese, Korean, German versions)s3 #4 #12 #13 #14 Microsoft® Windows® 7 Professional (English, Simplified Chinese, Traditional Chinese, Korean, German versions)s3 #4 #12 #13 #14 Microsoft® Windows® 7 Starter (English, Simplified Chinese, Traditional Chinese, Korean, German versions)s4 #4 #12 #13 #14 Microsoft® Windows® 7 Starter (English, Simplified Chinese, Traditional Chinese, Korean, German versions)s4 #4 #12 #13 #14 Microsoft® Windows® 7 Starter (English, Simplified Chinese, Traditional Chinese, Korean, German versions)s4 #4 #13 #14 Microsoft® Windows® 7 Starter (English, Simplified Chinese, Traditional Chinese, Korean, German versions)s4 #4 #12 #13 #14 Microsoft® W		
CPU	Recommended: 1GHz or more		
Required memory	Other than Microsoft [®] Windows Vista [®] , Microsoft [®] Windows [®] 7: 512MB or more Microsoft [®] Windows Vista [®] , Microsoft [®] Windows [®] 7: 1GB or more recommended		
Display	Resolution of VGA (640 × 480 dots) or more		
Free hard disk space*1	For installation: 2GB or more recommended For execution: 512MB or more recommended	d	
Display colors	High Color (16 bit) or more		
Hardware*6	GT15-SGTKEY-U (License key (for USB port)) GT15-SGTKEY-P (License key (for parallel port))	GT15-SGTKEY-U (License key (for USB port))	
Software	When using with PX Developer : PX	Designer3*5 Developer Version 1.14Q or later Designer3 Version 1.01B or later	
Other	Mouse, keyboard, printer, CD-ROM drive, so	und function (sound speaker) or speaker	

Specification

Only use 32-bit Con a Application:
Windows XP Mode is not supported.
Use GT Simulator3, GX Developer, GX Simulator, and GX Works2 of the same language version.
The GOT-A900 cannot be simulated.

Item	Description	
lesolution dots)	640 × 480, 800 × 600, 1024 × 768, 1280 × 1024, 1600 × 1200 Specifiable resolution (640 to 1920 × 480 to 1200)	
isplay colors	65,536 colors	
lemory capacity	57MB	
connection onfiguration *10	Bus connection*11, CPU direct connection, computer link connection, CC-Link IE Controller Network connection, CC-Link IE Field Network connection, MELSECNET connection, Ethernet connection	
	3 and PX Developer requires additional memory ce required when using the PX Developer monitoring	

- tool, refer to the PX Developer Version1 Operation Manual (Monitor Tool). Additional memory space is also required when using user-created applications.

 Administrator authority is required to install GT SoftGOT1000.
- *3 : Administrator authority is required to install and operate GT
- SoftGOT1000
- *44 : The following functions are not supported.
 *Compatibility Mode *Fast User Switching
 *Desktop Theme (Font) Change *Remote Desktop
 *5 : GT Designer3 and GT SoftGOT1000 must be installed from the same
- \$6 : The PC must be equipped with a USB port to use the GT15-SGTKEY-U.

 The PC must be equipped with a parallel port (Centro/printer connector) to use the GT15-SGTKEY-U.

 \$7 : For CONTEC PC CPU unit, refer to the manual for the PC CPU module.
- *8 : Use is possible only when PPC-852-226 is preinstalled.

 *9 : Supported only by the 32-bit OS.

 *10 : The required devices vary depending on the connection configuration.

 *11 : Connectable only when using a PC CPU unit.
- *12: Windows XP Mode is not supported.
- *13: Windows Touch features are not supported.

 *14: The 32-bit OS and the 64-bit OS NEW are applicable

"Mitsubishi Global FA Centers" are located around the world in Asia, North America and Europe to provide optimum services.

Global FA Centers

Shanghai FA Center
Mitsubishi Electric Automation (CHINA) Ltd.
No.1386 Hongqiao Road, Mitsubishi Electric
Automation Center 3F, Shanghai, China
Tel: +86-21-2322-3030 / Fax: +86-21-2322-3000

○ Beijing FA Center Mitsubishi Electric Automation (CHINA) Ltd. Beijing Office

Mitsubishi Electric Automation (CHINA) Ltd. Beijing Office 9F, Office Tower 1, Henderson Centre, 18 Jianguomennei Avenue, Dongcheng District, Beijing, China Tel: +86-10-6518-8830 / Fax: +86-10-6518-3907

Mitsubishi Electric Automation (CHINA) Ltd. Tianjin Office Unit 2003-2004B, Tianjin City Tower, No.35, You Yi Road, HeXi District, Tianjin, China Tel: +86-22-2813-1015 / Fax: +86-22-2813-1017

○ Guangzhou FA Center

Mitsubishi Electric Automation (CHINA) Ltd. Guangzhou Office Rm. 1609, North Tower, The Hub Center, No.1068, Xin Gang East Road, Haizhu District, Guangzhou, China Tel: +86-20-8923-6730 / Fax: +86-20-8923-6715

○ Korean FA Center

Mitsubishi Electric Automation Korea Co., Ltd. (Service) B1F, 2F, 1480-6, Gayang-Dong, Gangseo-Gu, Seoul, 157-200, Korea Tel: +82-2-3660-9632 / Fax: +82-2-3663-0475

○ Taiwan FA Center

Setsuyo Enterprise Co., Ltd. 3F., No.105, Wugong 3rd, Wugu Dist, New Taipei City 24889, Taiwan, R.O.C. Tel: +886-2-2299-9917 / Fax: +886-2-2299-9963

O ASEAN FA Center

Mitsubishi Electric Asia Pte. Ltd. ASEAN Factory Automation Centre 307 Alexandra Road #05-01/02, Mitsubishi Electric Building, Singapore

Tel: +65-6470-2480 / Fax: +65-6476-7439

○ India FA Center
Mitsubishi Electric India Pvt. Ltd. India Factory Automation Centre
2nd Floor, DLF Building No.9B, DLF Cyber City Phase III,
Gurgaon 122002, Haryana, India
Tel: +91-124-4630300 / Fax: +91-124-4630399

Mitsubishi Electric Automation (Thailand) Co., Ltd. Bang-Chan Industrial Estate No.111, Soi Serithai 54, T.Kannayao, A.Kannayao, Bangkok10230, Thailand Tel: +66-2906-3239 / Fax: +66-2906-3239

North American FA Center Mitsubishi Electric Automation, Inc.

500 Corporate Woods Parkway, Vernon Hills, IL 60061, U.S.A. Tel: +1-847-478-2100 / Fax: +1-847-478-2253

○ Brazil FA Center

MELCO-TEC Representacao Comercial e Assessoria Tecnica Ltda. Av. Paulista, 1439, Cerqueira Cesar, CEP 01311-200, Sao Paulo, Brazil Tel: +55-11-3146-2200 / Fax: +55-11-3146-2217

© European FA Center

Mitsubishi Electric Europe B.V. Polish Branch ul. Krakowska 50, 32-083 Balice, Poland Tel: +48-12-630-4700 / Fax: +48-12-630-4701

○ German FA Center

Mitsubishi Electric Europe B.V. German Branch Gothaer Strasse 8, D-40880 Ratingen, Germany Tel: +49-2102-486-0 / Fax: +49-2102-486-1120

OUK FA Center

Mitsubishi Electric Europe B.V. UK Branch. Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, U.K. Tel: +44-1707-27-6100 / Fax: +44-1707-27-8695

○ Czech Republic FA Center

Mitsubishi Electric Europe B.V. -o.s. Czech Office Avenir Business Park, Radicka 714/113a, 158 00 Praha5, Czech Republic Tel: +420-251-551-470 / Fax: +420-251-551-471

Russian FA Center

Mitsubishi Electric Europe B.V. Russian Branch St. Petersburg Office Sverdlovskaya emb., bld "Sch", BC "Benua", office 720; 195027, St. Petersburg, Russia Tel: +7-812-633-3497 / Fax: +7-812-633-3499

Complying with international quality assurance standards

All of Mitsubishi Electric's FA component products have acquired the international quality assurance "ISO9001" and the environment management system standard "ISO14001" certification. Mitsubishi's products also comply with various safety standards, including UL standards.

<Safety standards>

Mark	Standards/Agency	Country/Region
CE	EN Standards	Europe
UL	UL Standards	United States
cUL	Canadian Standards Association (CSA)	Canada

<Shipping Standards>

Abbrev.	Name	Country
ABS	American Bureau of Shipping	United States
BV	Bureau Veritas	France
DNV	Det Norske Veritas	Norway
GL	Germanischer Lloyd	Germany
LR	Lloyd's Register	England
NK	Nippon Kaiji Kyokai	Japan
RINA	Registro Italiano Navale	Italy

For the details on the approval model within each standards, please contact your local sales office.

MEMO	

89