

Mitsubishi Graphic Operation Terminal



August 2010

GOT1000 General Catalog



Looks Great, Saves Time





The GOT1000 series keeps time on the operation side.

With new products coming and going very quickly in rapidly changing markets, "time" is the key to staying competitive and being How about starting up equipment quickly without even bothering with programming? Or debugging and troubleshooting at worksites To make it happen, the GOT1000 offers cutting-edge solutions, leaving conventional HMIs far behind.

successful. This is why the GOT1000 is all about saving time.

to reduce downtime?



GRAPHIC OPERATION TERMINAL TO THE CONTROL OF THE CO

GOTs evo lve the face of control.

GOT1000 GRAPHIC OPERATION TERMINAL

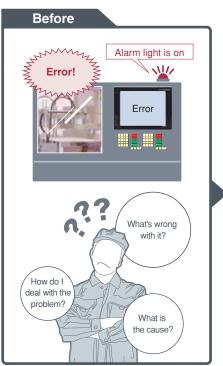


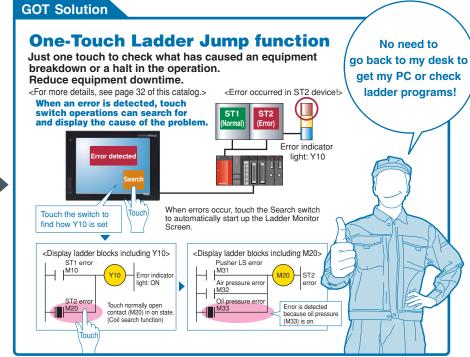
Quick response to problems. Easy facility design with the GOT1000

CASE 1

Unexpected errors solved with a GOT.

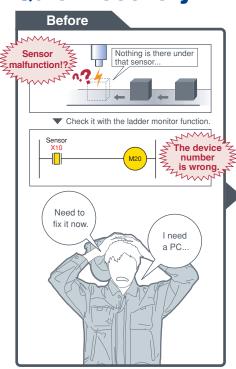
Quick and direct troubleshooting at the worksite.

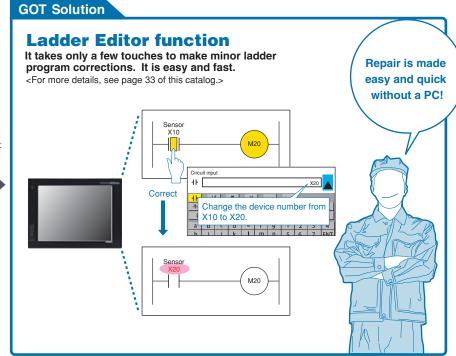




CASE 2

Use GOT to correct simple ladder programs. Quick recovery! No need for PCs!

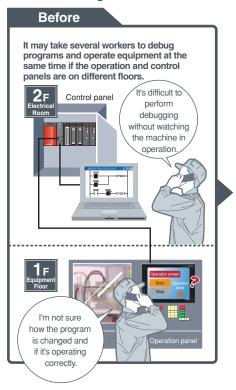


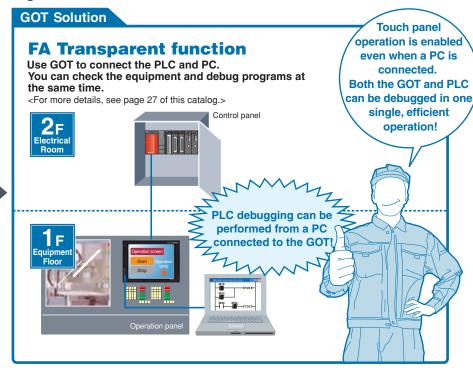


series. A comprehensive solution to production site problems.

CASE 3

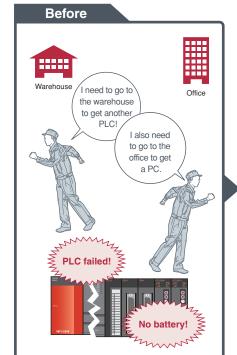
Smooth debugging even when operation & control panels are separate.

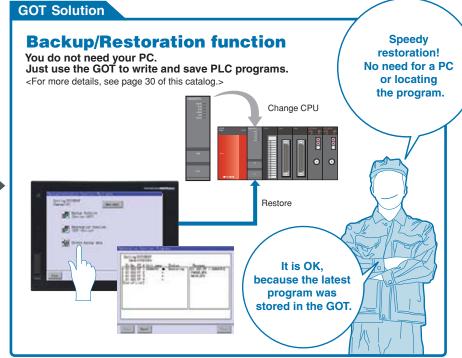




CASE 4

Backup your sequence programs on the GOT. Keep your system safe in case of a PLC failure.



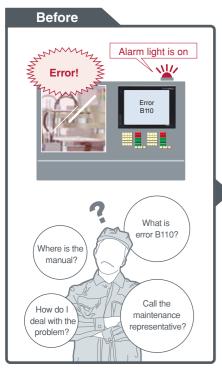


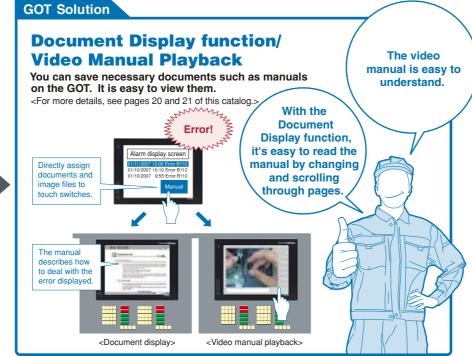


CASE

View manuals on the GOT screen.

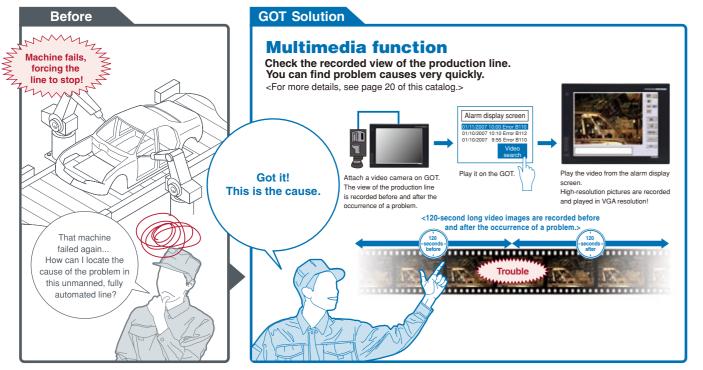
It is so fast to find the information to fix a problem.





CASE 6

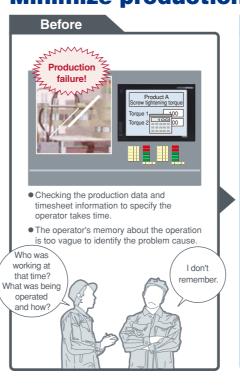
Use the GOT to record and play back motion images of the production line. Clear pictures help analyze the source of problems!

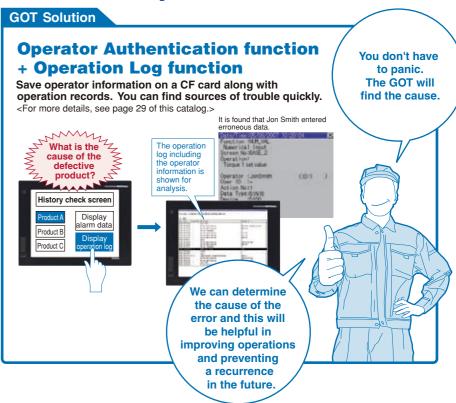


CASE 7

Quickly detect the cause of the problem.

Minimize production loss when a problem occurs.

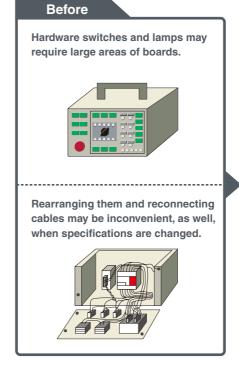


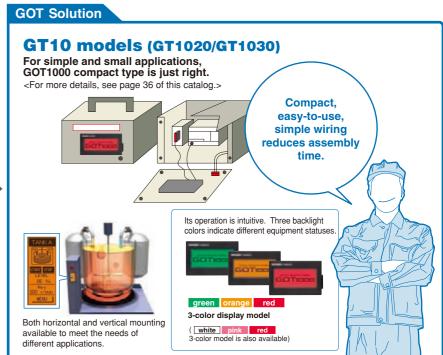


CASE

Compact types are also available!

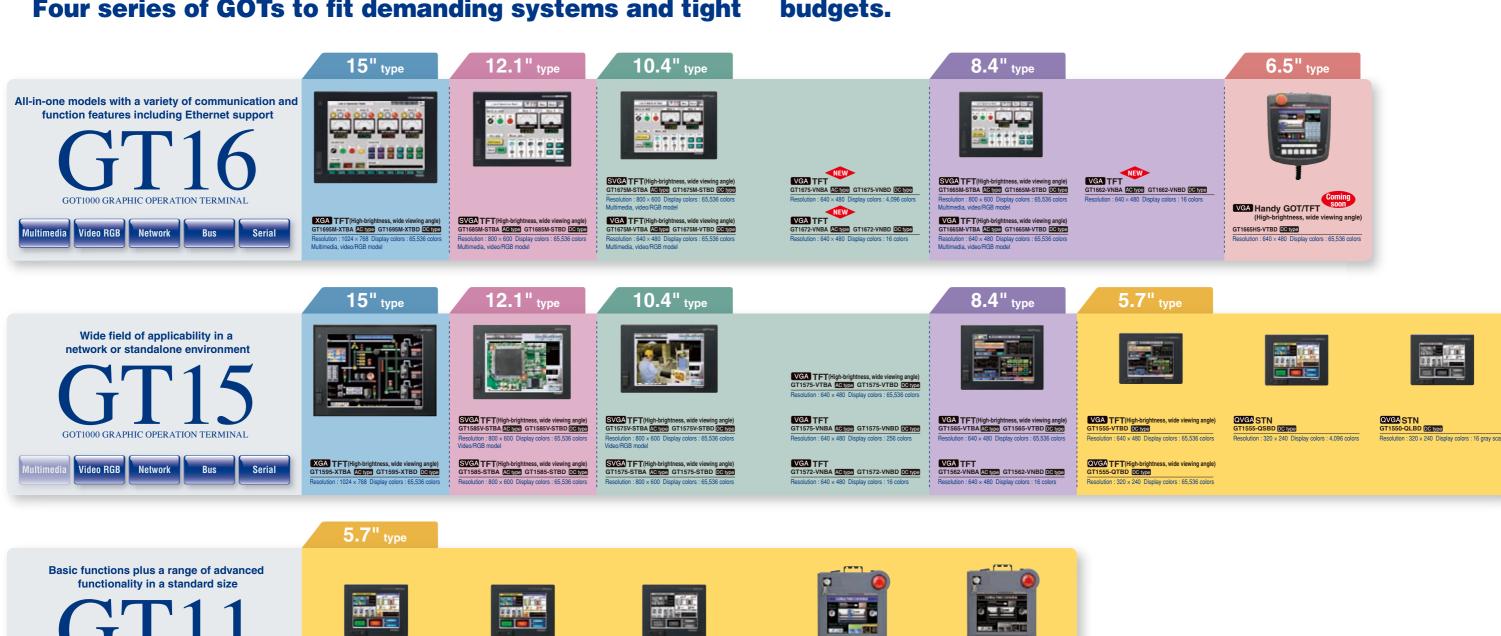
Required space is minimal. You can use it just about anywhere.







Four series of GOTs to fit demanding systems and tight budgets.









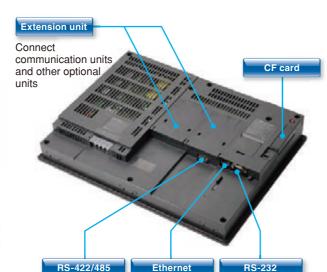
The lineup that fits in with any production line. Find your GOT with the right functions, size, and features.

All-in-one models with a variety of communication and function features including Ethernet support.

* See page 12 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□



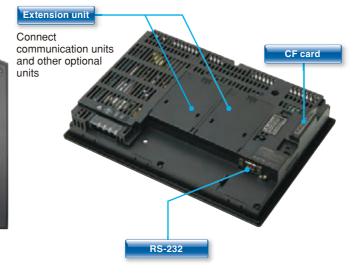


Wide field of applicability in a network or standalone environment

Options

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





Basic functions plus a range of advanced functionality in a standard size

- 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.





GT10

Compact for a display device with rich functionality

GT1030/GT1020

GT1050/GT1040

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

User memory capacity: 1.5MB (GT1030)/512KB (GT1020) • Three-color LED backlight indicates the equipment status

- 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

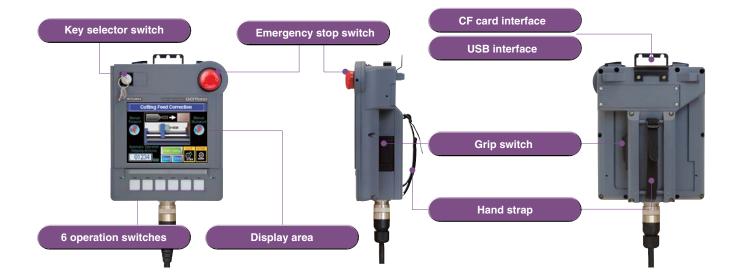
Emergency stop External connection cable



GT11 Handy GOT

Portable 5.7" operation terminal

GT1155HS-QSBD GT1150HS-QLBD





Use a personal computer or panel computer as a GOT. Software recreates various GOT functionality.

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.

A license key is required on your PC's parallel port or USB port while using this software.

* GT SoftGOT1000 Version3 software included with the GT Works3 software suite.



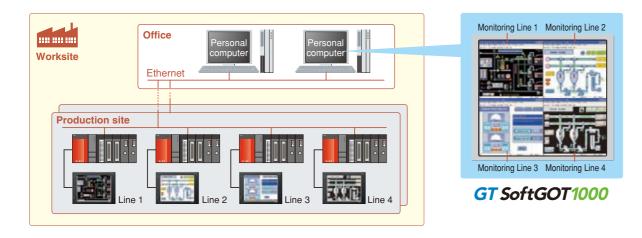
Monitor the production site from a remote location

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.)



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.

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++.NET2003, Microsoft®Visual C++ (Version.6.0), Microsoft®Visual Basic.NET2003, Microsoft®Visual Basic (Version.6.0)

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



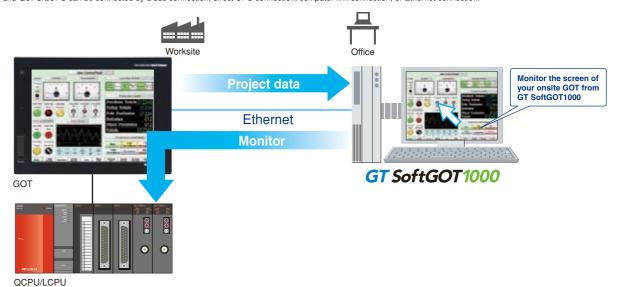
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Monitor the screen of your onsite GOT from GT SoftGOT1000

Connect GT SoftGOT1000 with GOT by an Ethernet connection.

Use the GOT's project data with GT SoftGOT1000 to monitor connected equipment.*

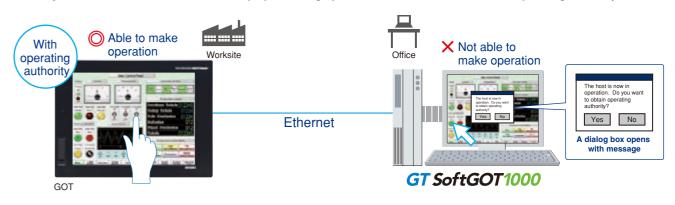
*: Only CH1 can be monitored when GOT is connected via multi-channels. GOT and QCPU/LCPU can be connected by a bus connection, direct CPU connection, computer link connection, or Ethernet connection.



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.

When one terminal does not have operating authority, a dialog box opens to show that the other terminal has operating authority. This exclusive control method keeps prohibiting operation until the terminal obtains operating authority.

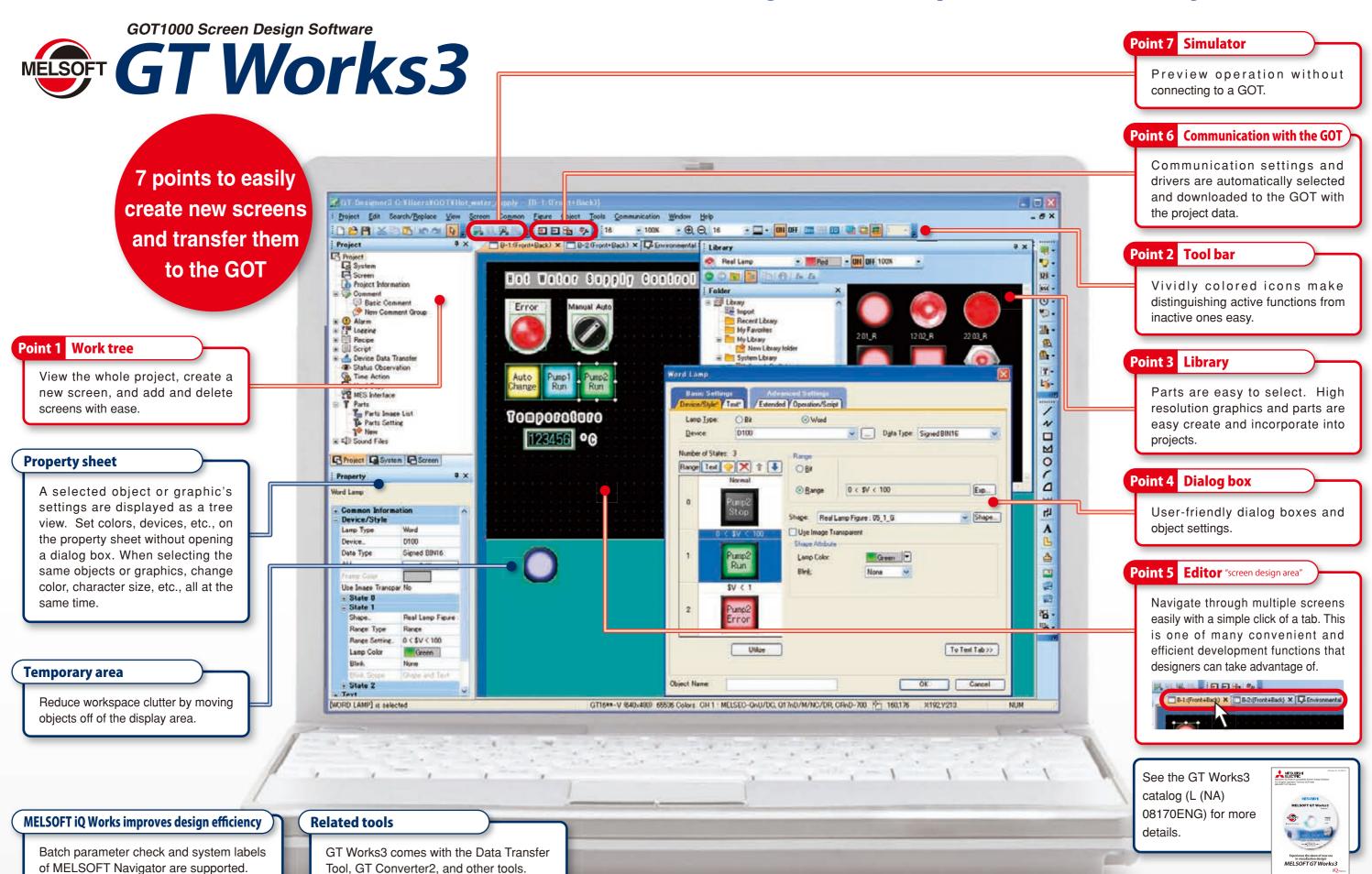


See "List of connectable models" (page 55), "Function list" (page 56), and "Notes for use (Operating environment)" (page 71).





More intuitive. No more wasted time. The screen design software optimized for usability.



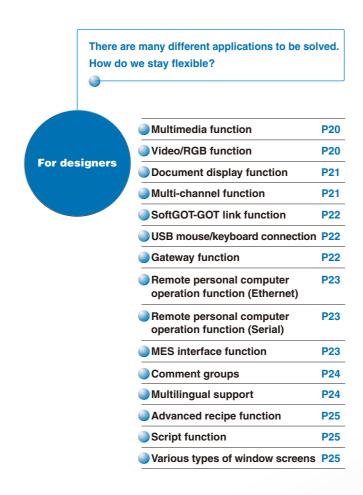


The GOT1000 series provides a variety of functions to satisfy user requirements

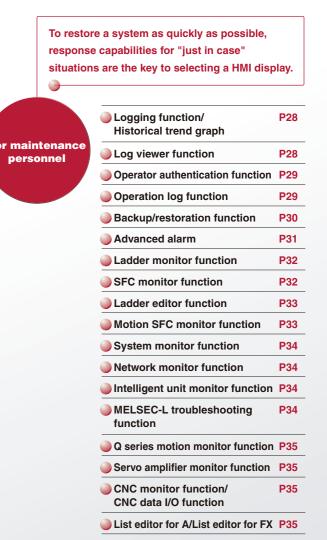
Usability depends on who the users are and where they carry out their tasks.

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 P20 ● For Initial Startup & **Adjustment Operators** For Maintenance Personnel P28 GT10 P36 iQ Platform P38 MELSEC Process Control + GOT1000 P39 Specifications P40 External Dimensions P47 List of Connectable Models P51 Function List P56 Product List P60 Notes for Use P67 Warranty P72



Efficiency requires both fast data transfer as well as user-friendly functions. P26 Drawing, computing, communication; a trio of For initial high-speed response functions startup & operations Backlight brightness adjustment P26 Color-coded front face LED P26 Maintenance time notification function Equipped with front USB interface P27 FA transparent function **P27**





Freedom to use motion images and connection with various devices offer greater possibilities

Smooth, high-quality motion images help efficiently investigate the cause of a problem



Multimedia function

Recording audio and video

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 x 480)
- Maximum 30 fps in QVGA (320 x 240)

For additional recording time (extended mode)

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

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



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.



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□, 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 multimedia-dedicated software programs included with GT Works3.

An optional device may be necessary.
For details, see "Selection of optional units and devices" (page 67).

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.

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 VNB , 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.

Display various documents on the GOT at the worksite

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 cards as JPEG files.
- Supported file formats : .doc, .xls, .ppt, .pdf, .jpg, .bmp



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

For details, see "Selection of optional units and devices" (page 67).

Central storage of FA device information on a single GOT terminal



Multi-channel function

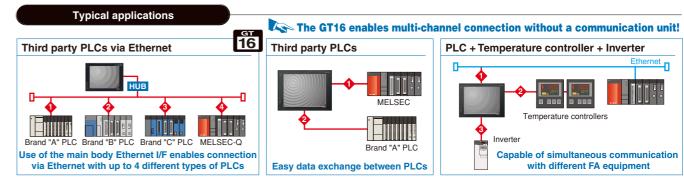
- Monitor up to 4 channels of FA devices (e.g. PLCs, servos, inverters, and temperature controllers).
- Easy device transfer between connected devices. Use GT Works3 to specify triggers for source and destination devices for device transfer. (Device data transfer function)

The GOT1000 Series connects with PLCs, microcomputers, and other various devices. More models from more manufactures will be supported in the future.

See "List of connectable models" (page 51), for more details on supported models of

For various types of peripherals.

- General-purpose MODBUS®/RTU 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



- *: 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 67).

An optional device may be necessary. For details, see "Selection of optional units and devices" (page 67)

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An optional device may be necessary. For details, see "Selection of optional units and devices" (page 67).

Transfer operation data in production lines in real time to host information systems.

A sophisticated information link improves productivity.



Monitor the screen of the onsite GOT from your

16 15 SoftGOT-GOT link function



- 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. When one terminal does not have operating authority, a dialog box opens to show that the other terminal has operating authority.
- This exclusive control prevents operation until the terminal obtains operating authority.
- *: 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.

See "GT SoftGOT1000" (page 14), for more details.

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

ет ет 16 15 **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.
- $\boldsymbol{*}$: 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.

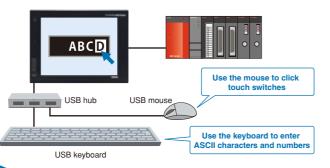
2 Monitor other GOTs from a GOT (client function)

- 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.

Connect your mouse/keyboard to the front USB

USB mouse/keyboard connection NEW

• 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.

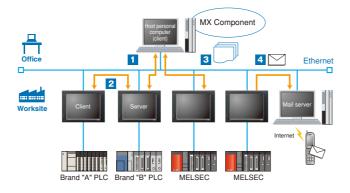
* : Not supported by GT16 Handy

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.

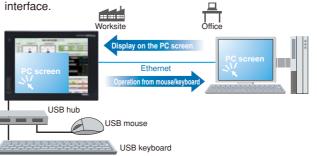


An optional device may be necessary For details, see "Selection of optional units and devices" (page 67).

Operate a remote PC from an onsite GOT

Remote personal computer 16 operation function (Ethernet)

- 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



You can view files such as manuals stored on your personal computer, or you can use browsers and engineering tools.

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

Database linkage support enhances productivity at your worksite

16 15

More cost for installing a gateway personal

Gateway PC

U U

MES interface function

When MES interface function is used

MES application

MES interface function

UPDATE INSERT end production

An optional device may be necessary. For details, see "Selection of optional units and devices" (page 67)

No need for gateway personal computer or database

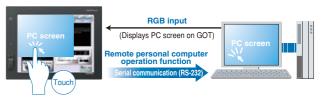
The GOT transmits data from connected FA devices to the server personal computer database via SQL statements.

• 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.



Operate a personal computer from the GOT touch

 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® XP Professional SP2, Windows® XP Home Edition SP2, Windows[®] 2000 Professional SP4

- *: Not supported by GT16□□-VNB□, 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 67).

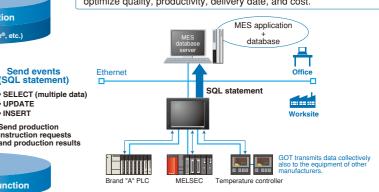
MES interface function

- 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
 Microsoft® Access 2000/2003/2007
- Microsoft® SQL Server 2000/2005
- 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 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.

Efficient input of extensive comment data

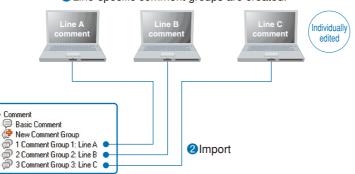
Comment groups

 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" is used



Easy creation of multilingual screens

When switching languages, character string length is automatically adjusted to fit within the object.

When "1" is selected When "2" is selected When "3" is selected

3 Displayed comment group can be switched by a device.



Multilingual support

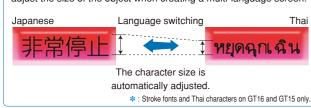
By using comment groups, different language comments can be created for each comment group column to switch the display language.

- 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 24) " for the details of comment groups.

Convenient for language switching

24

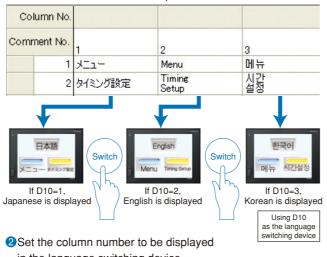
When stroke fonts are used with switching languages for touch switches, lamps or comment displays, the character size is automatically adjusted by the size of the object. There is no need to adjust the size of the object when creating a multi-language screen.



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.



- in the language switching device.
- 3 The displayed comment (language) changes.

Available for touch switches, lamps, comment displays, the alarm history function, 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.

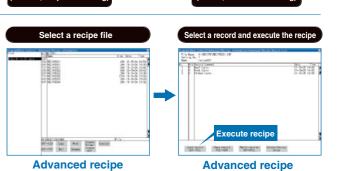
An extensive number of settings and flexible recipe data can be created

- 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 to open the

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

Advanced recipe setting Advanced recipe setting 2048 Advanced recipe setting 1: Curry



record list screen

confirm the user's

operation

For better work efficiency and enhanced customization functions

Script function

Project script/screen script

 Control statements and file operations can be specified to a project or to individual screens.

Object script (For GT16 and GT15 only)

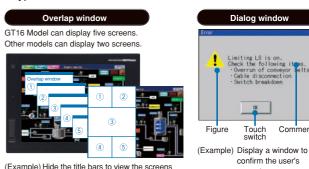
• Drawing functions and display control functions can be specified per object. Object functions can be expanded, for example, to change colors and display positions and to freely draw graphics.

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.

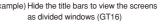
Extreme freedom in designing that enables you to create more effective screens

Various types of window screens

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



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 windows.

27

Quick response and useful standard functions provide users with straightforward operation

startup & operations

Dramatically improved GOT overall response

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

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

For connectable PLC models, see "List of connectable models" (page 51).

GT16/GT15 response performance comparison [Using MELSEC Q series] Bus connection MELSECNET/E CC-Link Ver.2 CC-Link IE controlle Ethernet FX direc The monitor screen includes about 250

Adjust brightness according to surroundings

Backlight brightness adjustment



• Consider the conditions in the operation environment (daytime/nighttime etc.) and user comfort. You can adjust 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



Easy-to recognize backlight state

points of word devices.



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 67).



To minimize production time, the GOT provides the user with worksite-required functions

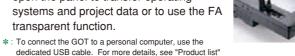
startup & operations

Easy data transmission without opening the

Equipped with front USB interface

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.





(page 60).





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

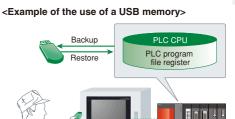
FA transparent function

- 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

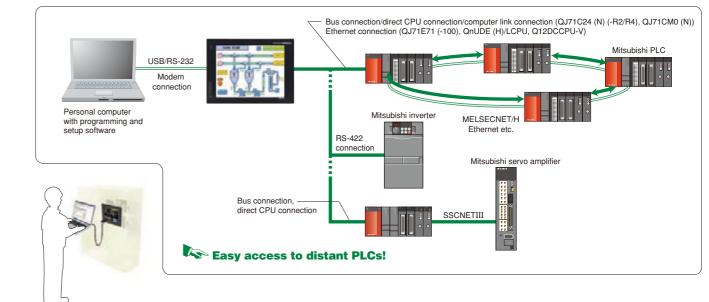
USB host (Type A) (for GT16 only)

- 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.





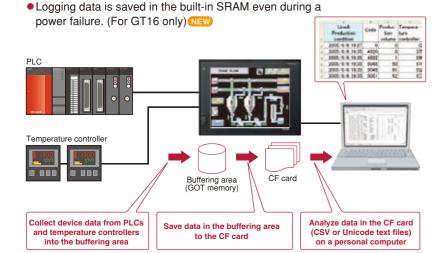
- Supported software*
- MELSOFT Navigator
- GX Works2 GX Developer
- GX Configurator-AD/DA/SC/CT/TI/TC/AS/FL/PT/QP PX Developer
- FX Configurator-FP
- FX Ethernet module configuration software
- MT Works2 MT Developer
- MR Configurator
- MR Configurator2 NEW FR Configurator
- RT ToolBox2
- NC Configurator
- GX LogViewer NEW
- *: The version of the software depends on the system configuration.
- *: For the software access range when using the FA transparent function, refer to the manual of the software being used.



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

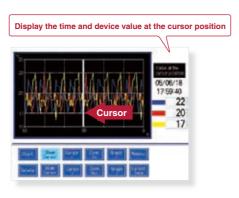
16 15 Logging function/Historical trend graph

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



Historical trend graph

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

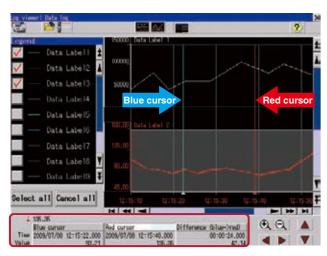


Display logging data of a LCPU and high speed data logger module on the GOT



Display logging data without a PC

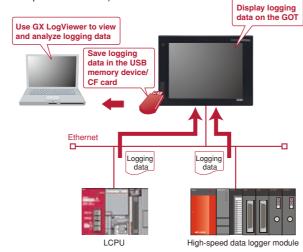
- Logging data collected by a LCPU or high speed data logger module can be displayed on the GOT.
- <Data to be displayed> Data logging (historical display)
- •By displaying two cursors (multi-cursor), changes in data can easily be checked.



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 panel —

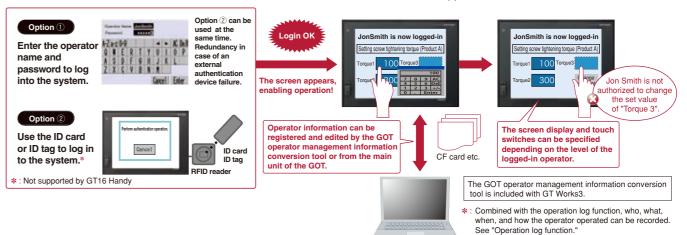
- In a USB memory device attached to the USB interface on the front of the GOT, you can save logging data of the LCPU and high speed data logger module. In this way, you can collect the logging data easily with the GOT without removing the CF card/SD card from the LCPU or high speed data logger module.
- By connecting a personal computer to the front USB interface of the GOT, you can use GX LogViewer to view the logging data on LCPU or to change logging settings. (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 67).

Very helpful for identification and analysis of causes of incorrect operation

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.
- <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 67). 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.

16 Backup/restoration function

With backup and restore, fear troubles no more

- The sequence program and parameter data of the PLC CPU and motion controller 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.

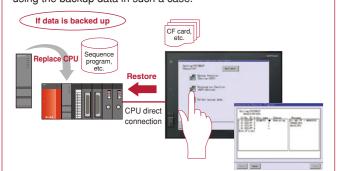
> Q-Series motion controllers (SV13/SV22 only), CNC C70, Robot controller (CRn-D700, CRnQ-700)

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

The backup data conversion tool is included with GT Works3.

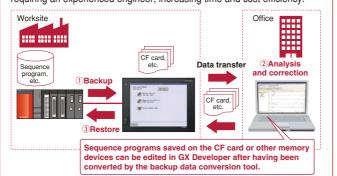
Example of use ①

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.

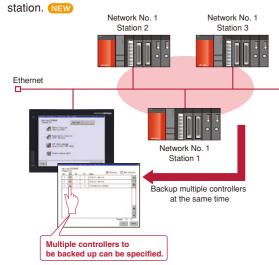


PLC CPU programs can be easily changed without a personal computer at the worksite or any previous GX Developer knowledge.

*: 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.



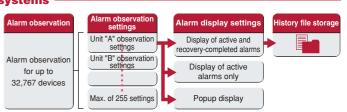
An optional device may be necessary. For details, see "Selection of optional units and devices" (page 67).

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. (For GT16 only)



Rapid detection and corrective action for a wide array of alarms

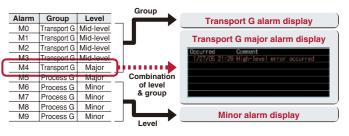
Four-step alarm notification

- 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.



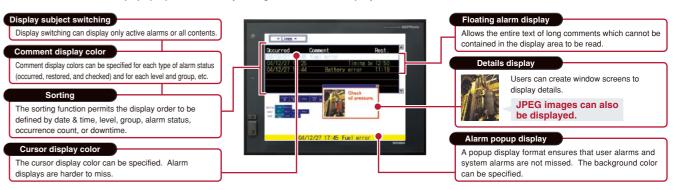
Group-specific & level-specific displays

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



Easy-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.

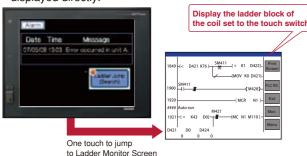
31

16 15 Ladder monitor function

MELSEC Q/QS/L/QnA/A/FX series PLC sequence programs can be monitored in a circuit diagram (ladder format).

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

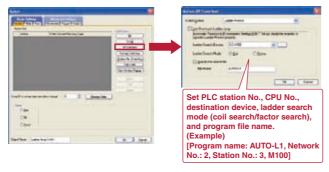
• By setting a program name and coil number of the PLC to a touch switch, the relevant ladder circuit block can be displayed directly.



Select [SP Function]-[Ladder Monitor] from the touch switch property dialog.

* : Supported by XGA/SVGA/VGA models : QS series models can only monitor the 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.
- Comment data of sequence programs can be saved to a CF card in the GOT. (Q/L/QnA series)
- Device values and timer (T) / counter (C) set values can be
- 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>

An optional device may be necessary. For details, see "Selection of optional units and devices" (page 67).

Example of touch search (when error indicator light [Y10] is on) <Display ladder blocks including Y10> <Display ladder blocks including coil M20> nally open contact (M20) in on state (Coil search function) Error is detected here because oil pressure (M33) is on

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.

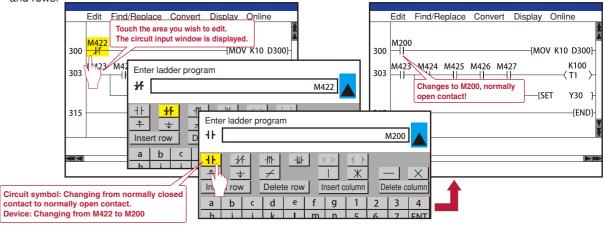
- *: Supported by XGA/SVGA/VGA models excluding 5.7" types.
- *: QnPHCPU/QnPRHCPU/Q50UDEH/Q100UDEHCPU are not supported.

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 and rows.

• 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.



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. NEW
- Remotely change the PLC's mode to "STOP" or "RUN" from the GOT.

An optional device may be necessary.

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 the same network.
- You can view current values, perform a search, and conduct a device test.
- The one-touch ladder jump function is available. This is helpful to identify problem causes.

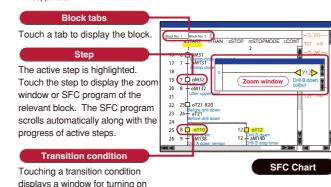
Monitor SFC programs on the GOT to make troubleshooting even easier

SFC monitor function

MELSEC Q 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
- *: Q00UJ/Q00U/Q01U/Q10UD(E)H/Q20UD(E)H/Q50UDEH/Q100UDEHCPU are not supported



An optional device may be necessary. For details, see "Selection of optional units and devices" (page 67).

or off a bit device

Use the GOT to monitor a motion SFC program



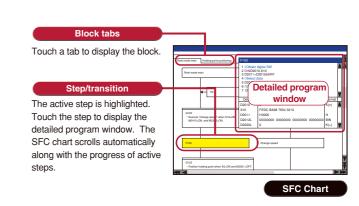
16 15 Motion SFC monitor function



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

- 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



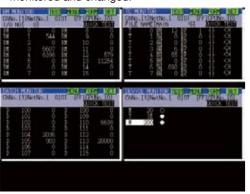
33

An optional device may be necessary. For details, see "Selection of optional units and devices" (page 67)

PLC device monitoring/changes

System monitor function

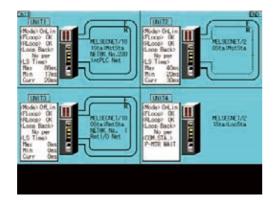
- Mitsubishi PLC CPU devices can be monitored and changed.
- *: Only monitoring, but not changing device values and other operations, is available with the QSCPU
- The current values and setting values of timers (T) and counters (C) can be changed.
- The buffer memory (BM) of a special function unit 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 Control 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 status.



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

16 15 Intelligent unit monitor function

- Buffer memory values of intelligent function units 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.
- The status of the I/O function of LCPU can be checked.
- *: Supported by XGA/SVGA/VGA models.

34



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

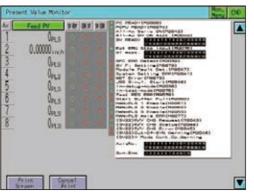
16 15 Q series motion monitor function

- 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.

<Objective 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.



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.



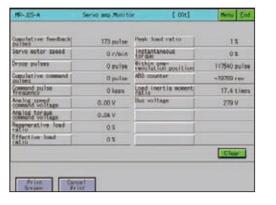
An optional device may be necessary.
For details, see "Selection of optional units and devices" (page 67).

*: Supported by XGA/SVGA models.

Easy startup and adjustment of a servo amplifier

16 Servo amplifier monitor function

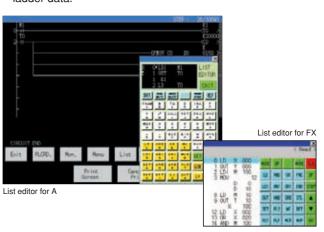
- In a system which outputs pulse strings, the GOT can be connected to a servo amplifier in a serial connection to perform the following operations: set up, monitoring, alarm display, diagnosis, parameter setting, and test operations.
- *: Available monitoring functions vary according to the servo amplifier 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.



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 Matrix touch panel
- Minimum touch key size: 16 x 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





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

Black frame

GT10



- 160 × 64 dots
 - Analog touch panel
 - Minimum touch key size: 2 × 2 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 \times 240 dots. They are highly compatible.



GT1030

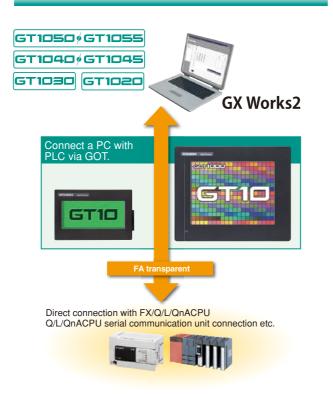
36

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

*2: 1.44 times compared



FA transparent function



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.



- *: 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 and comment switching function • A variety of alarm functions and window functions • The recipe function and multi-action switch for reducing sequence program load • Screen save function

Functionality

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) OParts registration OData 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)

OParts display OPanel meters

* : See the manual for details.

Connection to a barcode reader

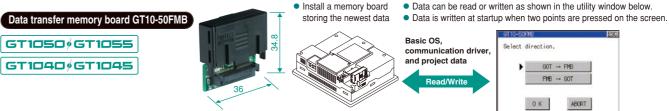
The RS-232 connection port for personal computer can also be connected to a barcode reader.



00T → FMB FMB → GOT

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.



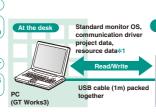
Memory loader GT10-LDR

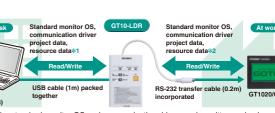
- Has a compact design (70 × 110 mm), where the GOT transfer cable can be stored inside the body.
- communication driver, and project data.
- resource data. where the write-protect switch
- Does not require a power supply as power is supplied from the GOT or

GT1030 GT1020

- Can write the standard monitor OS.
- Can read the project data and
- Offers simple switch type operation. prevents erroneous reading.
- personal computer.







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

Ensuring reliable cooperation between controllers compatible with the iQ Platform, the GOT1000 represents all the controls.



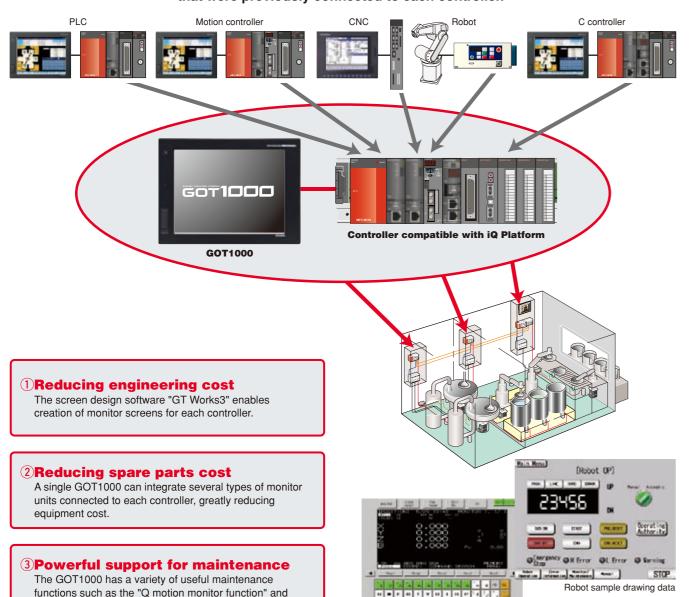
"iQ Platform," the next generation integrated platform

- 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.

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 that were previously connected to each controller.



Flexibly interacting with process control. Creating monitor systems without SCADA. MELSEC process control + GOT1000

"MELSEC process control" was developed for process control with general-purpose PLCs.

The GOT1000 can play an active role as the monitoring interface.

offering various features and advantages such as excellent interaction that only a group of Mitsubishi brand units can develop and the ability to build monitoring systems without SCADA.

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

1)PX Developer creates GOT process control 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 Designer2 can then customize the automatically created screens. (This function coming soon for GT Works3)

can then customize the automatically created screens. (This function coming soon for GT Works)





Trend graph screen

2 Utilizing GOT1000 & SoftGOT1000 data

Alarm list screen

Only by using GT Designer2 and PX Developer, a process control monitor system can be developed for both the worksite (GOT1000) and the remote monitoring location (GT SoftGOT1000).

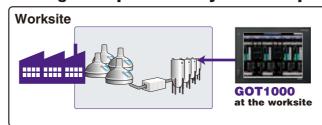
Screen data can be shared to monitor screens efficiently.

3A variety of GOT1000 functions that a process control CPU can also use

Hooked up to the GOT1000, a process control CPU can use a variety of functions that are characteristic of the GOT1000 such as the backup and restoration functions.

Compatible with Q02PH and Q06PHCPU. Best fit for small-scale process equipment!

A SCADA system is not required at the worksite or monitoring location, making it simple and easy to build up a "process control monitor system."



- Excellent anti-environment performance (IP67f) for operation in various types of worksites.
- The function to automatically generate process control screens enables process control monitor screens to be created simply and easily, which was previously a time consuming task.
- A variety of functions that are characteristic of the GOT1000 are available for use such as the operation log, operator authentication, and backup/restoration functions.
- The VESA mount adapter is available.
- *: For detailed descriptions on these functions, see the PX Developer Operating Manual (GOT Screen Generator).



- Best fit for monitoring in a monitor room because of being operable on a personal computer.
- Touch switches on the GT SoftGOT1000 can call up screens such as face plates and the alarm list of the PX Developer monitor tool.
- 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 14).

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

troubleshooting. (GT16 and GT15 only)

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

For more details, see "List of connectable models" (page 51), "Function list" (page 56) and "Notes for use" (page 67).

General specifications

Iter	n			Specif	ication				
Operating ambient	Display			0°C to	50°C*5				
temperature*1	Other than display	0°C to 55°C*5							
Storage ambien	t temperature			-20°C t	to 60°C				
Operating ambie	ent humidity			10 to 90%RH, r	no condensation	ı			
Storage ambien	t humidity			10 to 90%RH, r	no condensation	l			
				Frequency	Acceleration	Half amplitude	Sweep count		
		Conforming to JIS B 3502	Under intermittent	5 to 9Hz	-	3.5mm	10 times each in X,		
Vibration resista	ance	and	vibration	9 to 150Hz	9.8m/s ²	-	Y and Z directions		
		IEC 61131-2	Under continuous	5 to 9Hz	-	1.75mm			
			vibration	9 to 150Hz	4.9m/s ²	_	_		
Impact resistan	ce	Conforming	Conforming to JIS B 3502 and IEC 61131-2 (147m/s ² , 3 times each in X, Y and Z directions)						
Operating atmo	onhoro	N	o oily smoke, corro	osive gas or con	nbustible gas, le	ess conductive d	ust,		
Operating atmo	spriere		away from direct sunlight (the same in storage)						
Operating altitud	de*2			2000m	or less				
Installation loca	tion			In contro	l panel*6				
Overvoltage cat	egory*3			II or	lower				
Contamination level*4 2 or less									
Cooling method	Cooling method Self-cooling								
Grounding		T _y	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), MELSECNETH communication unit (GT15-J71LP23-25 or GT15-J71BR13) or CC-Link communication unit (GT15-J8TB13).
 *2: Do not operate or store the GOT unit in pressurized environments where
- the pressure exceeds 0m elevation atmospheric pressure, as this could
- 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.

 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 ratins 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 contamination with non-conductive matter only, though momentary conductivity may occur due to occasional 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.

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				
	Туре		TFT color LCD (high-brigh			TFT co	lor LCD				
	Screen size	15"	12.1"		10	.4"					
	Resolution	XGA: 1024 × 768 [dots]	SVGA: 800 × 600 [dots]	SVGA: 800 × 600 [dots]		VGA: 640 × 480 [dots]					
	Display size	304.1(W) × 228.1(H)[mm]	246(W) × 184.5(H)[mm]		211(W) × 1	58(H)[mm]					
Display	No. of displayed characters	16-dot standard font: 64 chars. × 48 lines (2-byte) 12-dot standard font: 85 chars. × 64 lines (2-byte)		chars. × 37 lines (2-byte) chars. × 50 lines (2-byte)		andard font: 40 chars. × 30 line andard font: 53 chars. × 40 line					
*1	Display colors		65,536	colors		4,096 colors	16 colors				
	View angle*2	Right/left: 75°, Up: 50°, Down: 60°	Right/left: 80°, Up: 60°, Down: 80°	Up/down/ri	ght/left: 88°	Right/left: 45°, U	o: 30°, Down: 20°				
	Intensity	450 [cd/m ²]	470 [cd/m ²]	400 [cd/m ²]	450 [cd/m ²]	200 [0	cd/m ²]				
	Intensity adjustment		8-step ac	djustment		4-step ad	fjustment				
	1.16-	Approx. 52	2,000 hours	Approx. 43	3,000 hours	Approx. 52	,000 hours				
	Life Approx. 92,000 floats Approx. 92,000 floats Approx. 92,000 floats (operating ambient temperature: 25°C) (operating ambient temperature: 25°C) (operating ambient temperature: 25°C)										
Backligh	t		Cold-cathod		een save time can be set.	on function.					
	Life*3			- 11) hours or more						
	-	(Time for display intensity reaches 50% at operating ambient temperature of 25°C)									
	Туре				sistive type						
Touch	Key size			Min. 2 x 2 [d							
panel	No. of simultaneous touch points			Simultaneous touch pro							
*10	Life	1,000,000 times or more (operating force 0.98N or less)									
	Detection distance	ce 1 [m] -									
I li instanti	Detection range	Right/left/u	p/down: 70°		-	-					
Human sensor	Detection delay time	0 to 4	[sec]			-					
3011301	Detection	Temperature differen	ce to be 4°C or more			_					
	temperature	between human bo	ody and ambient air			_					
Memory *5	C drive			flash memory ect data and OS)		11MB built-in (for saving proje					
	Life (No. of writings)			100,00	0 times						
				GT15-BAT type							
Battery	Backed up data		Clock data, main	tenance time notification data,	system log data and SRAM u	ser area (500KB)					
	Life				ambient temperature: 25°C)						
	RS-232*7		(proje	Connector shape: Communication with connected ct data upload/download, OS	installation, FA transparent fur	onal computer action)					
	RS-422/485			, 1ch Transmission speed: 1 ape: 14-pin (female) Applica	tion: Communication with con-						
Built-in	Ethernet			Data transfer system: 100E Connector shape: F cation with connected devices ect data upload/download, OS	RJ-45 (modular jack) , gateway function, connection						
interface			Cor	nnector shape: TYPE-A App		rage					
	USB			r shape: TYPE Mini-B Applied data upload/download, OS	installation, FA transparent fur						
	CF card		Connector		ash slot, 1ch : Data transfer, data storage, 0	GOT startup					
	Optional function board				tion board installation						
	Extension unit*7				nit/optional unit installation						
Buzzer c	•			Single tone (tone	<u> </u>						
	re construction	JEM1030 Front: IP67f ⁸⁶ In panel: IP2X									
(without	dimensions USB port cover)	397(W) × 296(H) × 61(D)[mm]	316(W) × 242(H) × 52(D)[mm]			H) × 49(D)[mm]					
	it dimensions	383.5(W) × 282.5(H)[mm]	302(W) × 228(H)[mm]		. ,	200(H)[mm]					
	cl. mounting brackets)	5.0[kg]	2.7[kg]	2.1	[kg]	2.3	[kg]				
Applicable software	Screen design software			GT Works3 Vers	sion1 17T or later						
packages	Simulation software			GI WUINSS VEIS	John II I Or Ialel						

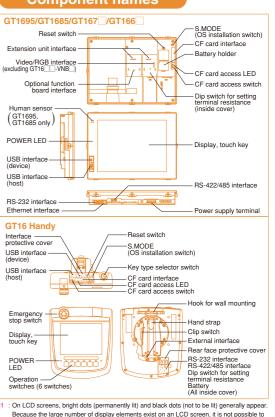
Power supply specifications

ono. oupp.	y opcomoduoi									
				Specification						
ltem	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	GT1665HS-VTBD			
Input power supply voltage	1	00 to 240VAC (+10%, -159	6)		24VDC (+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	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	8.2W or less			
Inrush current		28A or less (4ms, at max. load)		12A or less (75ms, at max. load)		or less max. load)	30A or less (2ms, at max. load)			
Permissible instantaneous failure time	W	ithin 20ms (100VAC or mo	re)	Within 10ms Within 5ms						
Noise resistance		roltage 1500Vp-p, noise winulator with noise frequence			voltage 500Vp-p, noise wid nulator with noise frequenc		Noise voltage 1000Vp-p, noise width 1ms by noise simulator with noise frequency 30 to 100Hz			
Withstand voltage	1500VAC for 1 min	ute between power supply	terminal and ground	500VI	DC for 1 minute between p	ower supply terminal and	ground			
Insulation resistance		10MΩ or hig	ner with an insulation resis	tance tester (500VDC betw	veen power supply termina	and ground)				
Applicable wire size				0.75 to 2 [mm ²]*1						
Clamp terminal			Clamp terminals for M3	3 screw RAV1.25-3, V2-S3.	3, V2-N3A, FV2-N3A*1					
Tightening torque (terminal block's terminal screws)		0.5 to 0.8 [N·m]*1								
1 : Excluding GT1665H	S									

Danie and a series of the settlement

		specifications	ification					
	Item	GT1665M-STBA GT1665M-VTBA GT1665M-VTBD	GT1662-VNBA GT1662-VNBD	GT1665HS-VTBD				
	Туре	TFT color LCD (high-brightness, wide viewing angle)	TFT color LCD	TFT color LCD (high-brightness, wide viewing angle)				
	Screen size	8.4"		6.5"				
	Resolution	SVGA: 800 × 600 [dots]	VGA: 640 × 480 [dots]					
	Display size	171(W) × 128(H)[mr	n]	132.5(W) × 99.4(H)[mm]				
Display	No. of displayed characters		dard font: 40 chars. × 30 dard font: 53 chars. × 40					
* 1	Display colors	65,536 colors	16 colors	65,536 colors				
	View angle*2	Right/left: 80°, Up: 80°, Down: 60°	Right/left: 45°, Up/Down: 20°	Right/left: 80°, Up: 60°, Down: 80°				
	Intensity	400 [cd/m ²] 600 [cd/m ²]	200 [cd/m ²]	550 [cd/m ²]				
	Intensity adjustment	8-step adjustment	4-step adjustment	8-step adjustment				
	Life	Approx. 43,000 hours (operating ambient temperature: 25°C)	Approx. 52,000 hours (operating ambient temperature: 25°C)					
Backligh	nt	Cold-cathode fluorescent tube (replaceable), with bac Backlight off time and screen save tin	LED Backlight off time and screen save time can be set					
	Lifo#3	Approx. 50,000 hours or more	Approx. 40,000 hours or more	-				
	Life*3	(Time for display intensity reaches 50% at operating	ambient temperature of 25°C)	-				
_	Туре	Analog r	resistive type					
Touch	Key size	Min. 2 × 2	[dots] (per key)					
panel *10	No. of simultaneous touch points	Simultaneous touch p	prohibited*4 (1 point only)				
	Life	1,000,000 times or more ((operating force 0.98N or	less)				
	Detection distance		-					
Human	Detection range		-					
sensor	Detection delay time		-					
	Detection temperature		-					
-	C drive	15MB built-in flash memory (for saving project data and OS)	11MB built-in flash memory (for saving project data and OS)					
* 5	Life (No. of writings)	100,0	000 times					
		GT15-BAT ty	pe lithium battery					
Battery	Backed up data	Clock data, maintenance time notification dat	ta, system log data and SF	RAM user area (500KB)				
	Life	Approx. 5 years (operating	g ambient temperature: 2	25°C)				
		RS-232, 1ch		RS-232, RS-422/485, 1ch,				
		Transmission speed: 115200/57600/38400		each (When using, select				
	RS-232*7	Connector shape: D-sub 9-pi		one of the channels.)				
		Application: Communication with cor connection to personal con		Transmission speed:				
		(project data upload/download, OS installation	115200/57600/38400/19200 9600/4800bps					
		RS-422/485, 1ch	,	Connector shape:				
		Transmission speed: 115200/57600/3840	0/19200/9600/4800bps	Square, 42-pin (male)				
	RS-422/485	Connector shape: 14-pin (Application: Communication				
		Application: Communication with co		with connected devices				
		Data transfer system: 100BASE-TX	(10BASE-T 1ch	Data transfer system: 100BASE-TX, 10BASE-T, 1ch				
			Connector shape: RJ-45 (modular jack)					
Built-in	Ethernet	Connector shape: RJ-45 (mo Application: Communication with co	nnected devices,	Connector shape: Square, 42-pin (male) Application:				
Built-in interface	Ethernet	Connector shape: RJ-45 (mo Application: Communication with co gateway function, connection to pe	nnected devices, ersonal computer	Square, 42-pin (male) Application: Communication with connected devices, gateway function,				
	Ethernet	Connector shape: RJ-45 (mo Application: Communication with co gateway function, connection to pe (project data upload/dow	nnected devices, ersonal computer nload,	Square, 42-pin (male) Application: Communication with connected devices, gateway function, connection to personal computer				
	Ethernet	Connector shape: RJ-45 (mo Application: Communication with co gateway function, connection to pe (project data upload/dow OS installation, MES interfac USB (full-speed 12Mbps), hos	nnected devices, ersonal computer nload, ee function)	Square, 42-pin (male) Application: Communication with connected devices, gateway function, connection to personal compute (project data upload/download, OS installation)				
		Connector shape: RJ-45 (mo Application: Communication with co gateway function, connection to pe (project data upload/dow OS installation, MES interfac USB (full-speed 12Mbps), hos Application: Data	nnected devices, ersonal computer nload, be function) tt 1ch Connector shape a transfer and storage	Square, 42-pin (male) Application: Communication with connected devices, gateway function, connection to personal compute (project data upload download, OS installation) TYPE-A				
	Ethernet	Connector shape: RJ-45 (mo Application: Communication with co gateway function, connection to pe (project data upload/dow OS installation, MES interfac USB (full-speed 12Mbps), hos Application: Data USB (full-speed 12Mbps), device	nnected devices, rsonal computer nload, se function) tt 1ch Connector shape t transfer and storage 1ch Connecter shape:	Square, 42-pin (male) Application: Communication with connected devices, gateway function, connection to personal compute (project data upload/download, OS installation) TYPE-A				
		Connector shape: RJ-45 (mo Application: Communication with co gateway function, connection to pe (project data upload/dow OS installation, MES interfac USB (full-speed 12Mbps), hos Application: Data USB (full-speed 12Mbps), device Application: Connection	nnected devices, irrsonal computer inload, e function) tt 1ch Connector shape; transfer and storage 1ch Connecter shape; on to personal computer on to personal computer	Square, 42-pin (male) Application: Communication with connected devices, gateway function, connection to personal compute (project data upload/download, OS installation) TYPE Mini-B				
		Connector shape: RJ-45 (mo Application: Communication with co gateway function, connection to pe (project data upload/dow OS installation, MES interfac USB (full-speed 12Mbps), hos Application: Data USB (full-speed 12Mbps), device Application: Connectic (project data upload/download, Od	nnected devices, rsonal computer nload, e function) t 1ch Connector shape t transfer and storage 1ch Connecter shape: on to personal computer S installation, FA transpa	Square, 42-pin (male) Application: Communication with content devices, gateway function, connection to personal compute (project data upload download, OS installation) TYPE Mini-B trent function)				
		Connector shape: RJ-45 (mo Application: Communication with co gateway function, connection to pe (project data upload/dow OS installation, MES interfac USB (full-speed 12Mbps), hos Application: Data USB (full-speed 12Mbps), device Application: Connection (project data upload/download, occurrence) Compact flash slot, 1ch	nnected devices, rsonal computer nload, re function) t 1ch Connector shape transfer and storage 1ch Connecter shape: on to personal computer S installation, FA transpa Connector shape: TYP	Square, 42-pin (imale) Application Communication with connected devices, gateway function, connection to personal compute (project data upload/download, OS installation) 3: TYPE-A TYPE Mini-B rrent function) E I				
	USB CF card	Connector shape: RJ-45 (mo Application: Communication with co gateway function, connection to pe (project data upload/dow OS installation, MES interfac USB (full-speed 12Mbps), hos Application: Data USB (full-speed 12Mbps), device Application: Connectic (project data upload/download, O: Compact flash slot, 1ch Application: Data transfe	nnected devices, resonal computer nload, le function) It 1ch Connector shape, a transfer and storage 1ch Connecter shape: no to personal computer S installation, FA transpa Connector shape: TVP er, data storage, GOT sta	Square, 42-pin (imale) Application Communication with connected devices, gateway function, connection to personal compute (project data upload/download, OS installation) 3: TYPE-A TYPE Mini-B rrent function) E I				
	USB CF card Optional function board	Connector shape: RJ-45 (mo Application: Communication with co gateway function, connection to pe (project data upload/dow OS installation, MES interfac USB (full-speed 12Mbps), hos Application: Data USB (full-speed 12Mbps), device Application: Connectic (project data upload/download, O Compact flash slot, 1ch Application: Data transfe	nnected devices, resonal computer inload, re function) It 1ch Connector shape, it ransfer and storage 1ch Connecter shape; on to personal computer S installation, FA transpa Connector shape: TYP rr, data storage, GOT stata installation	Square, 42-pin (imale) Application Communication with connected devices, gateway function, connection to personal compute (project data upload download, OS installation) a: TYPE-A TYPE Mini-B rrent function) E I rtup				
interface	USB CF card Optional function board Extension unit®7	Connector shape: RJ-45 (mo Application: Communication with co gateway function, connection to pe (project data upload/dow OS installation, MES interfac USB (full-speed 12Mbps), hos Application: Data USB (full-speed 12Mbps), device Application: Connectio (project data upload/download, O: Compact flash slot, 1ch Application: Data transfe 1ch for optional function board 2ch for communication unit/optional	nnected devices, resonal computer nload, e function) tt 1ch Connector shape: transfer and storage 1ch Connecter shape: on to personal computer Sinstallation, FA transpa Connector shape: TYP r, data storage, GOT stati i installation	Square, 42-pin (imale) Application Communication with connected devices, gateway function, connection to personal compute (project data upload/download, OS installation) 3: TYPE-A TYPE Mini-B rrent function) E I				
Buzzer o	USB CF card Optional function board Extension unit®7	Connector shape: RJ-45 (mo Application: Communication with co gateway function, connection to pe (project data upload/dow OS installation, MES interfac USB (full-speed 12Mbps), hos Application: Data USB (full-speed 12Mbps), device Application: Connectio (project data upload/download, O: Compact flash slot, 1ch Application: Data transfe 1ch for optional function board 2ch for communication unit/optional	nnected devices, resonal computer inload, re function) It the Connector shape, a transfer and storage 1th Connecter shape; on to personal computer S installation, FA transpa Connector shape: TYP gr, data storage, GOT state distallation al unit installation re length adjustable)	Square, 42-pin (male) Square, 42-pin (male) Application: Communication with connect devices, gateway function, connection to personal compute (project data upload download, OS installation) TYPE Mini-B TYPE Mini-B Irent function) E I JEM1030 IP65f ** (when external connecting				
Buzzer o	USB CF card Optional function board Extension unit*7 output ve construction	Connector shape: RJ-45 (mo Application: Communication with co gateway function, connection to pe (project data upload/dow OS installation, MES interfac USB (full-speed 12Mbps), hos Application: Data USB (full-speed 12Mbps), device Application: Connectic (project data upload/download, O' Compact flash slot, 1ch Application: Data transfe 1ch for optional function board 2ch for communication unit/optiona Single tone (ton JEM1030 Front: IP67f *6 In	nnected devices, resonal computer inload, re function) it 1ch Connector shape, 1 transfer and storage 1 ch Connecter shape; on to personal computer 5 installation, FA transpa Connector shape; TYP er, data storage, GOT state 3 installation al unit installation re length adjustable) panel: IP2X	Square, 42-pin (male) Square, 42-pin (male) Application: Communication with connection devices, gateway function, connection to personal compute (project data upload download, OS installation) TYPE Mini-B Irrent function) E I rtup — JEM1030 IP65f ** (when external connecting, cable is fitted)				
Buzzer c Protectiv External dimer	USB CF card Optional function board Extension unit* output ve construction resions (without USB port cover)	Connector shape: RJ-45 (mo Application: Communication with co gateway function, connection to pe (project data upload/dow OS installation, MES interfac USB (full-speed 12Mbps), hos Application: Data USB (full-speed 12Mbps), device Application: Connectic (project data upload/download, OI Compact flash slot, 1ch Application: Data transfe 1ch for optional function board 2ch for communication unit/optiona Single tone (ton JEM1030 Front: IP67f liss in 241(W) × 190(H) × 52(D	nnected devices, resonal computer inload, re function) It 1ch Connector shape, transfer and storage 1ch Connecter shape; nt opersonal computer S installation, FA transpa Connector shape: TYP and the storage, GOT stated installation al unit installation re length adjustable) panel: IP2X presonal computer panel: IP2X presonal computer panel: IP2X presonal computer panel: IP2X presonal computer panel: IP2X presonal computer panel: IP2X presonal computer presonal computer presona	Square, 42-pin (male) Square, 42-pin (male) Application: Communication with connection devices, gateway function, connection to personal compute (project data upload download, OS installation) TYPE Mini-B Irrent function) E I rtup — JEM1030 IP65f ** (when external connecting, cable is fitted)				
Buzzer c Protectiv External dimer	USB CF card Optional function board Extension unit [®] 7 output ve construction nsions (without USB port cover) ut dimensions	Connector shape: RJ-45 (mo Application: Communication with co gateway function, connection to pe (project data upload/dow OS installation, MES interfac USB (full-speed 12Mbps), hos Application: Data USB (full-speed 12Mbps), device Application: Connectio (project data upload/download, O: Compact flash slot, 1ch Application: Data transfe 1ch for optional function board 2ch for communication unit/optiona Single tone (ton JEM1030 Front: IP67f 6 In 241(W) × 190(H) × 52(D 227(W) × 176(H)[mr.	nnected devices, resonal computer infoad, se function) tt 1ch Connector shape: transfer and storage 1ch Connecter shape: on to personal computer S installation, FA transpa Connector shape: TYP ar, data storage, GOT stational unit installation se length adjustable) panel: IP2X [[mm] [m] []	Square, 42-pin (male) Square, 42-pin (male) Communication with connected devices, gateway function, connection to personal compute (project data upload download, OS installation) TYPE Mini-B TYPE Mini-B Trupt function) E I I JEM1030 IP65f *9 (when external connecting cable is fitted) 201(W) × 230(H) × 97(D)[mm]				
Buzzer c Protectiv External dimer	USB CF card Optional function board Extension unit* output ve construction resions (without USB port cover)	Connector shape: RJ-45 (mo Application: Communication with co gateway function, connection to pe (project data upload/dow OS installation, MES interfac USB (full-speed 12Mbps), hos Application: Data USB (full-speed 12Mbps), device Application: Connectic (project data upload/download, OI Compact flash slot, 1ch Application: Data transfe 1ch for optional function board 2ch for communication unit/optiona Single tone (ton JEM1030 Front: IP67f liss in 241(W) × 190(H) × 52(D	nnected devices, resonal computer inload, re function) It 1ch Connector shape, transfer and storage 1ch Connecter shape; nt opersonal computer S installation, FA transpa Connector shape: TYP and the storage, GOT stated installation al unit installation re length adjustable) panel: IP2X presonal computer panel: IP2X presonal computer panel: IP2X presonal computer panel: IP2X presonal computer panel: IP2X presonal computer panel: IP2X presonal computer presonal computer presona	Square. 42-pin (male) Application: Communication with connection devices, gateway function, connection to personal computer (project data upload download, OS installation) TYPE Mini-B TYPE Mini-B Irent function) E I JEM1030 IP65f (when external connecting)				

Component names



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 save/backlight OFF functions prevents screen burn-in and extends
- backlight life.

 44 : 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 firmly the portion marked "\(\triangle^\)" makes it conform to IP67f (JEM1030). (The USB interface conforms to IP2X (JEM1030) when a USB cable or a USB memory 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.
- : 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
- 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 67).

 The function version A of GT1695/GT1685 is not compatible with 10BASE-T. *9 : The degree of protection is not guaranteed under all users' environmental conditions. If
- the interface protective cover or the rear face protective cover is removed, the specification does not apply. k10: If necessary, use a stylus pen meeting the following specifications, (excluding GT1665HS)

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	to 60°C					
Operating ambient humidity*2 10 to 90%RH, no condensation										
Storage ambient humidity*2 10 to 90%RH, no condensation										
				Frequency	Acceleration	Half amplitude	Sweep count			
		Conforming	Under intermittent	5 to 9Hz	-	3.5mm	10 times each in X,			
Vibration resista	ance*3	to JIS B 3502	vibration	9 to 150Hz	9.8m/s ²	_	Y and Z directions			
		IEC 61131-2	Under continuous	5 to 9Hz	-	1.75mm				
			vibration	9 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 ar	nd Z directions)			
O		N	o oily smoke, corro	sive gas or con	nbustible gas, le	ess conductive d	ust,			
Operating atmo	spriere		away fro	om direct sunlig	ht (the same in	storage)				
Operating altitud	de*4			2000m	or less					
Installation loca	tion			In contr	ol panel					
Overvoltage cat	egory*5			Ⅱ or	lower					
Contamination level*6 2 or less										
Cooling method				Self-c	ooling					
Grounding		T ₁	pe D grounding (1	00Ω or less). (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 MELSECNET/H communication unit (GT15-J71LP23-25 or GT15-J71BR13) or CC-Link communication unit (GT15-J61BT13). : 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 **S: Herier to the Communication Unit Users Manual or Vorazion resistance specifications when using the MELSECNET/10 communication unit (GT15-75/11/29.2-z or GT15-75/11811-z) or CC-Link communication unit (GT15-75/61BT13-z). (The specifications of communication units are different from those of the GOT main unit.)
 **4-1: 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 devices that are supplied with power from fixed equipment. The surge withstand voltage is 2,500 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 contamination by non-conductive matter only, though momentary conductivity may occur due to occasional condensation.
- Do not use or store the GOT under direct sun light or in an environment

Performance specifications

		Specification			Snacif	ication					
	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		Color LCD (high-bright	tness, wide viewing ar		TFT co	(high-brightness, wide viewing angle)	TFT color LCD			
	Screen size	15"	12.1"		10			8.4"			
	Resolution	XGA: 1024 × 768 [dots]		A: 800 × 600 [dots] VGA: 640 × 480 [dots]					20(1) 7 1		
	Display size		246(W) × 184.5(H) [mm]		211(W) × 1	58(H) [mm]	171(VV) × 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/up/down: 85°	Right/left/up/down: 85°	Right/le Up: Down		Right/left: 65°, Up: 50°, Down: 60°	Right/left: 45°, Up: 20°, Down: 20°		
	Contrast adjustment					-					
	Intensity 450 [cd/m²] GT1585V: 350 [cd/m²] 400 [cd/m²] 380 [cd/m²] 200 [cd/m²]							380 [cd/m ²]	150 [cd/m ²]		
	Intensity adjustment		8-step ac	djustment	T	4-step ad	djustment	8-step adjustment	4-step adjustment		
	Life	Approx. 52,000 hours (operating ambient temperature: 25°C) Approx. 50,000 hours (operating ambient temperature: 25°C) Approx. 41,000 hours (operating ambient temperature: 25°C)						e: 25°C)			
Backlight	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 hours or more Approx. 40,000 hours or more									
	Life			(Time for display in	ntensity reaches 50% a	t operating ambient te	mperature of 25°C)				
	Туре	Analog resistive type			Matrix res	istive type					
	No. of touch keys	-	1900 keys/screen (38			1200 keys	s/screen (30 lines × 40	columns)			
Touch panel	Key size	Min. 2 x 2 [dots] (per key)	Min. 16 x (per key) (16 x 8 onl				Min. 16 x 16 [dots] (per key)				
* 9	No. of simultaneous touch points	Simultaneous touch prohibited*5 (1 point only)				Max. 2 points					
	Life			1,000	0,000 times or more (or	perating force 0.98N or	r less)				
	Detection distance		[m]			-	-				
Human	Detection range		p/down: 70°				-				
sensor	Detection delay time		[sec]				_				
	Detection temperature		ody and ambient air				_				
Memory *6	C drive		9MB built-in f (for saving proje				flash memory ect data and OS)	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)					0 times					
D [Dealer I.			-	GT15-BAT type lithin		-1-				
Battery	Backed up data Life				ock data and maintena ox. 5 years (operating						
	RS-232*8	Application:	: Communication with o	RS-232, 1ch Ti	ransmission speed: 11: Connector shape:	5200/57600/38400/192 D-sub 9-pin (male)	200/9600/4800bps	nstallation, FA transpare	ent function)		
Built-in interface	USB		or shape: TYPE Mini-B		USB (full-speed 12	Mbps), device 1ch,		-	-		
	CF card Optional function board		<u> </u>		nector shape: TYPEI	Application: Data tran			,		
	Extension unit*8			201	n for communication ur	tion board installation	tion				
Buzzer o				201		length adjustable)	LIVII				
	e construction					67f*7 In panel: IP2X					
External	dimensions USB port cover)	397(W) × 296(H) × 61(D) [mm]	316(W) × 242(H) × 52(D) [mm]			H) × 49(D) [mm]		241(W) × 190(i	H) × 52(D) [mm]		
	t 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	ounting brackets)	5.0 [kg]	2.8 [kg]	GT1575V: 2.3 [kg] GT1575: 2.4 [kg]	2.4 [kg]		[kg]		[kg]		
Applicable software	Screen design software			27.070.2 [Ng]	GT Works3 Vers	sion1.17T or later		I.			
oackages	Simulation software										

Power supply specifications

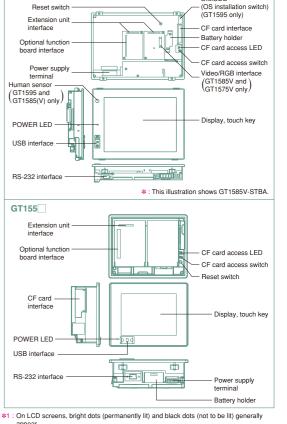
					Specif	ication				
Item	GT1595-XTBA	GT1585V-STBA GT1585-STBA	GT1575V-STBA GT1575-STBA GT1575-VTBA GT1575-VNBA GT1572-VNBA GT1565-VTBA GT1562-VNBA	GT1595-XTBD	GT1585V-STBD GT1585-STBD	GT1575V-STBD GT1575-STBD GT1575-VTBD GT1575-VNBD GT1572-VNBD GT1565-VTBD GT1562-VNBD	GT1555-VTBD	GT1555-QTBD	GT1555-QSBD	GT1550-QLBD
Input power supply voltage	100 t	o 240VAC (+10%,	-15%)			2	4VDC (+25%, -20%	6)	•	
Input frequency		50/60Hz ±5%					-			
Input maximum apparent power	1	110VA (at max. load)								
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	1 20ms (100VAC or	more)				Within 10ms			
Noise resistance		age 1500Vp-p, nois ator with noise frequ					age 500Vp-p, noise tor with noise freque			
Withstand voltage		500VAC for 1 minu ower supply termina			500	VDC for 1 minute b	etween power supp	oly terminal and gro	und	-
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		Specif	ication					
	item	GT1555-VTBD	GT1555-QTBD	GT1555-QSBD	GT1550-QLBD				
	Туре	TFT col (high-brightness, w		STN color LCD	STN monochrome (black/white) LCD				
	Screen size	(0 0 .	5.	7"	, ,				
	Resolution	VGA: 640 × 480 [dots]		QVGA: 320 × 240 [dot	sl				
Ī	Display size			36(H) [mm]	-1				
Display	No. of displayed characters	16-dot standard font: 40 chars. × 30 lines (2-byte) 12-dot standard font: 53 chars. × 40 lines (2-byte)		ard font: 20 chars. × 19 ard font: 26 chars. × 20					
*1 *2	Display colors	65,536	colors	4,096 colors	Monochrome 16 gray scale				
	View angle*3	Right/left: 80°, Up: 80°, Down: 70°	Right/left: 70°, Up: 70°, Down: 50°	Right/left: 55°, Up: 65°, Down: 70°	Right/left: 45°, Up: 20°, Down: 40°				
	Contrast adjustment	-	-	16-step	adjustment				
	Intensity	350 [cd/m ²]	400 [cd/m ²]	380 [cd/m ²]	220 [cd/m ²]				
	Intensity adjustment		8-step ac	djustment					
	Life),000 hours temperature: 25°C)					
Backligh	nt		cent tube (not replaces						
Γ			rox. 75,000 hours or m		Approx. 58,000 hours or more				
	Life*4		itensity reaches 50% a						
	Туре	(Time for display in	•	istive type	imperature or 25 G)				
-	No. of touch	1200 keys/screen	IVIQUIA 165	300 keys/screen					
	No. of touch keys	(30 lines × 40 columns)		(15 lines × 20 columns	(3				
Touch	Key size	Min. 16 × 16 [dots] (per key)							
panel *9	No. of simultaneous			P points					
	touch points Life	1,000	0,000 times or more (or	·	r less)				
	Detection distance			-					
[Detection range			_					
Human	Detection delay time	-							
sensor -	Detection temperature	-							
Memory	C drive	9MB built-in flash memory (for saving project data and OS)							
*6	Life (No. of writings)								
	Zio (140. oi willings)	100,000 times GT15-BAT type lithium battery (optional)							
Battery	Backed up data	GT15-BAT type lithium battery (optional) Clock data and maintenance time notification data							
	Life		ox. 5 years (operating						
	RS-232*8	RS-232, 1ch Tr	ransmission speed: 11 Connector shape: nication with connecte	5200/57600/38400/19 D-sub 9-pin (male) d devices, connection	200/9600/4800bps to personal computer				
			upload/download, OS						
Built-in	USB	` '	ed 12Mbps), device 1c Application: Connectio	n to personal compute	er				
iiileiiace			upload/download, OS						
	CF card		mpact flash slot, 1ch blication: Data transfer,	Connector shape: T\ , data storage, GOT st					
	Optional function board		1ch for optional funct	tion board installation					
	Extension unit*8	1ch	for communication ur	nit/optional unit installa	tion				
Durrer	output		Single tone (tone						
buzzei 0	e construction		JEM1030 Front: IP	67f*7 In panel: IP2X					
		JEM1030 Front: IP67f*7 In panel: IP2X 167(W) × 135(H) × 60(D) [mm]							
Protectiv External	dimensions USB port cover)		167(W) × 135(F	H) × 60(D) [mm]					
Protective External (without)	dimensions								
Protective External (without I Panel cu Weight	dimensions USB port cover)		153(W) × 1	1) × 60(D) [mm] 21(H) [mm] [kg]					

Component names

GT1595/GT1585/GT157 /GT156



S.MODE

- appear.

 Because the large number of display elements exist on an LCD screen, it is not
- 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. Flickering may occur depending on the display colors.

 3. 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 color.

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

 5. 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.

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

- **6: The memory is HOM that permits overwriting of new data without having to delete the existing data.
 **7: With the USB environmentally protective cover is on, the main unit conforms to IP67f (JEM1030). (The USB interface conforms to IP2X (JEM1030) 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.
 **8: 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
- 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 67).

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

 Material: Polyacetal resin Pen point radius: 0.8mm or more

GT11 GT10

General specifications

Iten	n			Specif	ication				
Operating ambient	Display			0°C to	50°C*5				
temperature	Other than display	0°C to 55°C (horizontal installation), 0°C to 50°C (vertical installation)*5							
Storage ambient	temperature			-20°C	to 60°C				
Operating ambient humidity*1 10 to 90%RH, no conder									
Storage ambient humidity*1 10 to 90%RH, no condensati									
				Frequency	Acceleration	Half amplitude	Sweep count		
		Conforming	Under intermittent	5 to 9Hz	-	3.5mm	10 times each in X,		
Vibration resistan	ce	to JIS B 3502 and	vibration	9 to 150Hz	9.8m/s ²	_	Y and Z directions		
		IEC 61131-2	Under continuous	5 to 9Hz	-	1.75mm			
			vibration	9 to 150Hz	4.9m/s ²	-	Ī -		
Impact resistance		Conform	ning to JIS B 3502 an	nd IEC 61131-2 (1	47m/s², 3 times e	ach in X, Y and Z	directions)		
Operating atmosp	here	Free from oil mist, or	orrosive gases, flammable g	gases and excessive co	nductive dusts or direct	sun beams (The same	e applies to unit storage.)		
Operating altitude	*2			2000m	or less				
Installation location	n			In contro	l panel*6				
Overvoltage categ	gory*3			∐ or l	ower				
Contamination lev	/el*4	2 or less							
Cooling method Self-cooling									
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.

 *4 : 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

- *5 : 0 to 40°C for GT115_HS

 *6 : Excluding GT115_HS

 *7 : The 5VDC type requires no grounding.

Performance specifications

					Specif	ication				
	Item	GT1155-QTBD	GT1155-QSBD	GT1150-QLBD	GT1155HS-QSBD	GT1150HS-QLBD	GT1155-QTBDQ GT1155-QTBDA	GT1155-QSBDQ GT1155-QSBDA	GT1150-QLBD0 GT1150-QLBD4	
	Туре	TFT color LCD	STN color LCD	STN monochrome (black/white) LCD	STN color LCD	STN monochrome (black/white) LCD	TFT color LCD	STN color LCD	STN monochrome (black/white) LCE	
	Screen size					7"				
	Resolution Display size	115/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	H) [mm] (in horizontal	dienlay mode)		× 240 [dots] 36(H) [mm]	115/W/\ \ \ 86/B	H) [mm] (in horizontal	dienlay mode)	
ŀ	No. of displayed characters	113(44) × 60(20 chars. × 15 lines (ard font: 26 chars. × 2			display mode)		
	Display colors	256 (colors	Monochrome (black/white) 16 gray scale	256 colors	Monochrome (black/white) 16 gray scale	256	Monochrome (black/wl 16 gray scale		
Display *1	View 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: 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°	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: 4((in horizontal display mode)	
	Contrast adjustment	-		16-step a	djustment		-	16-step a	djustment	
	Intensity	400 [cd/m ²]	• 350 [cd/m²] (Hardware versions A and B) • 380 [cd/m²] (Hardware version C or later)	220 [cd/m²]	• 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/m²]	220 [cd/m²]	
	Intensity adjustment					djustment				
D 1"	Life		1 1 1 6			ng ambient temperatur				
Backlight r						letection function. Bac				
	Life*2	Approx. 75,000) hours or more			Approx. 54,000 hours or more) hours or more	Approx. 54,000 hours or n	
	Typo			(Time for display in	•	t operating ambient te	mperature of 25°C)			
	Type No. of touch keys			200 kov		istive type	olumno)			
Touch	Key size			300 key		sting of 15 lines × 20 c dots] (per key)	olumns)			
anel	No. of simultaneous touch points				Max. 2					
ł	Life			1 000		perating force 0.98N or	r less)			
	C drive*3					r saving project data a				
Memory	Life (No. of writings)			0.0.5	100,000					
1	D drive					M (battery backup)				
						e lithium battery				
Battery	Backed up data				Clock data, alarm his	story and recipe data				
	Life			Replacement gui	deline approx. 5 years	(operating ambient te	mperature: 25°C)			
	Bus			-			1ch for QnA/A	mode)/motion controller CPU/motion controller ion: For bus connectio	CPU (A series)	
	RS-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/ t terminal resistance tra	(female) ith PLCs 0Ω/330Ω		-		-		
Built-in interface	RS-422/232		-		Transmission s 57600/38400/192 Connector shape: Rou	lect one when using.) speed: 115200/ 100/9600/4800bps und type, 32-pin (male) on with connected devices		-		
	RS-232	RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male) Application: Communication with connected devices, connection to personal computer (project data upload/download, OS installation, FA transparent function, etc.) Application: Connection to personal computer (project data upload/download, OS installation, FA transparent function, etc.) OS installation, FA transparent function, etc.)					O/ RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/ Connector shape: D-sub 9-pin (male) leter Application: Connection to barcode reader/personal co (project data upload/download, OS installation,			
	USB		Application: 0	Connection to personal		Mbps), device 1ch upload/download, OS	installation, FA transpa	rent function)		
	CF card		Cor	npact flash slot, 1ch	Connector shape: TYF	PEI Application: Data	transfer and data stor	age	<u> </u>	
	Optional function board					in main unit				
	utput				, ,	length adjustable)				
Buzzer o	e construction*4	JEM103	0 Front: IP67f In par	nel: IP2X		0 IP65f necting cable is fitted)	JEM103	0 Front: IP67f In par	nel: IP2X	
Protective					470/40000//	J) v 02/D) [mm]	167	(W) × 135(H) × 65(D) [mml	
Protective External without	dimensions USB port cover)	164	(W) × 135(H) × 56(D) [176(W) × 220(I	1) X 93(D) [IIIII]	107			
Protective External without U			153(W) × 121(H) [mm]			-		153(W) × 121(H) [mm]]	
External without	USB port cover)		. , . , . , . ,			ain unit only)]	

Power supply specifications

					S	pecification				
Item	GT1155-QTBD GT1155-QSBD GT1155HS-QSBD	GT1155-QSBD GT1150-QLBD GT1155-QTBDQ GT1155-QSBDQ GT1150-QLBDQ GT1155-QSBDA GT1150-QLBDQ GT1155-QSBDA GT1150-QLBDQ GT1150-QLBDQ GT1155-QSBDA GT1150-QLBDQ GT1150-						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)	#W or less 9.36W or less 11.16W or less 9.72W or less 7.92W or less 9.84W or less 9.36W or less 3.6W or less 3								
With backlight off	4.32W or less (1	180mA/24VDC)	5.04W	or less (210mA/2	4VDC)	4.32W or less (180mA/24VDC)	2.9W or less (1	20mA/24VDC)	
Inrush current	15A or less (2m	s, at max. load)	26A or	less (4ms, at ma	x. load)			15A or less (26.4V) 2ms		
Permissible instantaneous failure time	Withir	n 5ms		Within 10ms				Within 5ms		
Noise resistance	Noise voltage 1000V	/p-p, noise width 1μs	Noise volta	ge 500Vp-p, nois	e 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 sin	nulator with noise frequency 30	to 100Hz	
Withstand voltage				500VAC for 1	minute between p	ower supply term	ninal 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		Single-wire 0.14 to 1.5 [mm²], AWG26 to AWG16 (single wire)								
Clamp terminal		Clamp terminals for M3 screw RAV1.25-3, V2-N3A, FV2-N3A*1 Al2.5-6BU, Al0.34-6TQ, Al0.5-6WH (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

		Specification								
	Item	GT1055-QSBD	GT1050-QBBD	GT1045-QSBD	GT1040-QBBD					
	Туре	STN color LCD	STN monochrome (blue/white) LCD	STN color LCD	STN monochrome (blue/white) LCD					
	Screen size	5.	5.7" 4.7"							
	Resolution		QVGA: 320 × 240 [dots]							
	Display size	115(W) × 86(H) [mm] (in horizontal display mode) 96(W) × 72(H) [mm] (in horizontal display mode)								
	No. of displayed characters	16-dot standard font: 20 chars. x 15 lines (2-byte), 12-dot standard font: 26 chars. x 20 lines (2-byte) (in horizontal display mode)								
Display*1	Display colors	256 colors	Monochrome (blue/white) 16 gray scale	256 colors	Monochrome (blue/white 16 gray scale					
	View angle	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		16-step a	djustment						
	Intensity	380 [cd/m ²]	260 [cd/m ²]	150 [cd/m ²]	300 [cd/m ²]					
	Life	(Time for display of	Approx. 50 contrast reaches 20% at	0,000 hours t operating ambient ten	nperature of 25°C)					
Backlight		Cold-cathode fluorescer with backlight OFF Backlight off time and scr		LED (no need to replace) Backlight off time and screen save time can be set.						
	Life*2	Approx. 75,000 hours or more	Approx. 54,000 hours or more	-						
	Lile	(Time for display intensity reaches 50% at operating ambient temperature of 25°C)								
	Туре	Matrix resistive type								
Tauah	No. of touch keys	Max. 50 keys/screen								
Touch panel	Key size	Min. 16 x 16 [dots] (per key)								
	No. of simultaneous touch points	Max. 2 points								
	Life	1,000,000 times or more (operating force 0.98N or less)								
Memory	User memory*3	Built-in flash memory for saving project data (3 MB or less) and OS								
	Life (No. of writings)	100,000 times								
		GT11-50BAT type lithium battery								
Battery	Backed up data	Clock data, alarm history and recipe data								
	Life	Replacement guideline approx. 5 years (operating ambient temperature: 25°C)								
		RS-422/485, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (female) Application: Communication with PLCs Terminal resistance*5: OPEN/1100/3300 (switched by terminal resistance transfer switch)								
	RS-422/485	Terminal resistance*5	Application: Commi	unication with PLCs	stance transfer switch)					
		RS-232, 1ch T	Application: Commi : OPEN/110Ω/330Ω (sw ransmission speed: 115 Connector shape:	unication with PLCs vitched by terminal resis 5200/57600/38400/192 D-sub 9-pin (male)	00/9600/4800bps					
Built-in interface	RS-422/485 RS-232	RS-232, 1ch T Application: 0	Application: Commi : OPEN/110Ω/330Ω (sw ransmission speed: 11s Connector shape: Communication with PLC	unication with PLCs vitched by terminal resis 5200/57600/38400/192 D-sub 9-pin (male) Cs, connection with bar personal computers	00/9600/4800bps rcode readers,					
		RS-232, 1ch T Application: C (project da	Application: Commic OPEN/110Ω/330Ω (sw. ransmission speed: 118 Connector shape: communication with PLC communication with ta upload/download, OS	unication with PLCs vitched by terminal resis 5200/57600/38400/192 D-sub 9-pin (male) Cs, connection with bar personal computers S installation, transpare Mbps), device 1ch PE Mini-B (receptacle) on with personal compu	00/9600/4800bps rcode readers, ent function)					
	RS-232	RS-232, 1ch T Application: C (project da Ap (project da	Application: Comm: OPEN/110/2/3300 (sw ransmission speed: 11! Connector shape: Communication with PLC communication with ta upload/download, OS USB (full-speed 12 Connector shape: TYI plication: Communicatien	unication with PLCs vitched by terminal resistance of 2500/57600/38400/192 D-sub 9-pin (male) Cs, connection with bar personal computers installation, transpare Mbps), device 1ch PE Mini-B (receptacle) on with personal comp is installation, transpare installation, transpare in the personal computer in the personal computer in the personal computer installation, transpare	00/9600/4800bps code readers, int function) uter int function)					
interface	RS-232 USB Memory board	RS-232, 1ch T Application: C (project da Ap (project da	Application: Comm. OPEN/110Ω/330Ω (sw. ransmission speed: 11! Connector shape: communication with PLC communication with ta upload/download, OS USB (full-speed 12 Connector shape: TYI plication: Communicatio ta upload/download, OS cor installing memory bo	unication with PLCs virtched by terminal resis 5200/57600/38400/192 D-sub 9-pin (male) Cs, connection with bar personal computers installation, transpare 2Mbps), device 1ch PE Mini-B (receptacle) on with personal compu	00/9600/4800bps code readers, int function) uter int function)					
interface Buzzer ou	RS-232 USB Memory board	RS-232, 1ch T Application: C (project da Ap (project da	Application: Commic OPEN/110Ω/330Ω (sw ransmission speed: 11! Connector shape: Communication with PLC communication with ta upload/download, OS USB (full-speed 12 Connector shape: TYI plustation: Communication ta upload/download, OS Cor installing memory brown of the plustation of	unication with PLCs virtched by terminal resis 5200/57600/38400/192 D-sub 9-pin (male) Cs, connection with bar personal computers installation, transpare 2Mbps), device 1ch PE Mini-B (receptacle) on with personal compu	00/9600/4800bps code readers, int function) uter int function)					
Buzzer ou Protective	RS-232 USB Memory board	RS-232, 1ch T Application: C (project da Ap (project da	Application: Commic OPEN/110Ω/330Ω (sw ransmission speed: 11! Connector shape: Communication with PLC communication with ta upload/download, OS USB (full-speed 12 Connector shape: TYI plustation: Communication ta upload/download, OS Cor installing memory brown of the plustation of	unication with PLCs vitched by terminal resistance of the control	00/9600/4800bps code readers, int function) uter int function)					
Buzzer ou Protective External of	RS-232 USB Memory board utput construction*4	RS-232, 1ch T Application: C (project da Ap (project da F 164(W) × 135(i	Application: Commic OPEN/110\(\Omega)/330\(\Omega)\(\omega)\(\omega)/330\(\omega)\(\omega)/330\(\omega)\(\omega)/330\(\omega)\(\omega)/3300\(\omega)/3300\(\omega)/33	unication with PLCs vitched by terminal resis 5200/57600/38400/192 D-sub 9-pin (male) Cs, connection with bar personal computers S installation, transpare Mbps), device 1ch PE Mini-B (receptacle) on with personal computers and (GT10-50FMB) 1c upth adjustable/none) JEM1030) (front panel) 139(W) x 112(00/9600/4800bps ccode readers, int function) uter int function)					
Buzzer ou Protective External of Panel cut	RS-232 USB Memory board utput e construction®4 dimensions	RS-232, 1ch T Application: C (project da Ap (project da F 164(W) × 135(I 153(W) × 1	Application: Comm: OPEN/110//3300 (sw Transmission speed: 11! Connector shape: Communication with PLC communication with ta upload/download, OS USB (full-speed 12 Connector shape: TYI plication: Communicatia ta upload/download, OS For installing memory be Single tone (tone len Conforming to IP67f (LH) × 56(D)[mm]	unication with PLCs virtched by terminal resistance of the computers of the computer of the comp	00/9600/4800bps ccode readers, int function) ther int function) th H) × 41(D)[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.

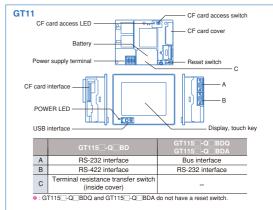
#2: Using the GOT screen save/backlight OFF functions prevents screen burn-in and extends the backlight life.

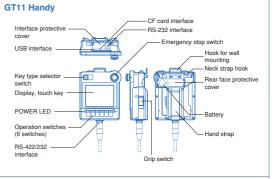
#3: The memory is ROM that permits overwriting of new data without having to delete the existing data.

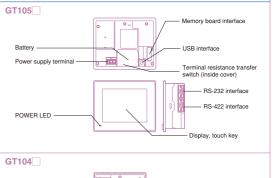
#4: This does not guarantee protection in all users' environments. The specification is not applied when the interface protective cover and rear face protective cover are removed.

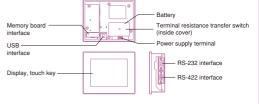
#5: In the case of GOT multi-drop connection, set the terminal resistance transfer switch on the GOT main unit according to the connection configuration.

Component names









GT10

Power supply specifications

				Speci	fication			
		GT1030-LBD	GT1030-LBDW	GT1020-LBD	GT1020-LBDW	GT1030-LBL	GT1020-LBL	
	tem	GT1030-LWD	GT1030-LWDW	GT1020-LWD	GT1020-LWDW	GT1030-LWL	GT1020-LWL	
		GT1030-LBD2	GT1030-LBDW2	GT1020-LBD2	GT1020-LBDW2	GT1030-LBLW	GT1020-LBLW	
		GT1030-LWD2	GT1030-LWDW2	GT1020-LWD2	GT1020-LWDW2	GT1030-LWLW	GT1020-LWLW	
Input powe	r supply voltage	tage 24VDC (+10%, -15%), ripple voltage of 200mV or less			5VDC (±5%), supplied from PLC communication cable			
Input frequ	uency				-			
Input maximu	ım apparent power				-		-	
Power cor	nsumption	2.2W or less (90mA/24VDC)		1.9W or less (80mA/24VDC)		1.1W or less (220mA/5VDC)		
Wit	th backlight off	1.7W or less	(70mA/24VDC)	1.2W or less (50mA/24VDC)		0.6W or less (120mA/5VDC)		
Inrush current 18A or less (26.4DCV) 1ms		26.4DCV) 1ms	13A or less (26.4DCV) 1ms	_			
Permissible inst	tantaneous failure time		Within	-	-			
Noise resi	stance	Noise voltage 1000Vp-p, noise width 1µs by noise simulator with noise frequency 30 to 100Hz						
Withstand	voltage	500VAC for	1 minute between p	_				
Inculation	resistance	10MΩ or higher with an insulation resistance tester				_	_	
IIISulation	resistance	(500VDC between power supply terminal and ground)						
A 15 1.1	Single-wire	0.14 to 1.5mm², AWG26 to AWG16 (single wire), 0.14 to 1.0mm², AWG26 to AWG16 (stranded wire),						
Applicable wire size	installation		0.25 to 0.5mm ² , /	AWG24 to AWG20	0 (bar terminal with in	nsulation sleeve)		
WITE SIZE	Two-wire installation	0.14 to 0.5mm ² , AWG26 to AWG20 (single wire), 0.14 to 0.2mm ² , AWG26 to AWG24 (stranded wire)						
Clamp ter	minal		Al2.5-6BU, A	10.34-6TQ, AI0.5-	6WH (made by Phoe	enix Contact)	-	
Tightening torque (terminal block's terminal screws)			Al2.5-6BU, Al0.34-6TQ, Al0.5-6WH (made by Phoenix Contact) 0.22 to 0.25 [N·m]					

Component names GT1030/GT1020 with personal computer (RS-232) C Power supply terminal Power supply terminal D RS-422 interface RS-422 interface, Power supply terminal RS-232 interface

Performance specifications

		Specification Specification								
Item		GT1030-LBD GT1030-LWD GT1030-LBL GT1030-LWL	GT1030-LBDW GT1030-LWDW GT1030-LBLW GT1030-LWLW	GT1030-LBD2 GT1030-LWD2	GT1030-LBDW2 GT1030-LWDW2	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] (ir					n horizontal mode)		
	Display size			nm](in horizontal mode)				m](in horizontal mode)		
Display*1	No. of displayed characters			or 18 chars. × 6 lines (2-b or 24 chars. × 8 lines (2-b		16-dot standard		s (1-byte) or 10 chars. x ntal mode)	4 lines (2-byte)	
Display	Display colors				Monochrome	(black/white)				
	View angle			Right/le	ft: 30°, Up: 20°, Down:	30°(in horizontal displa	y mode)			
	Contrast adjustment				16-step a	djustment				
	Intensity	200 [cd/m ²] (in green)	300 [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)	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 t	for display contrast read	ches 20% at operating a	ambient 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 control (color, on/flashing/off) is available and screen save time setting can be set. PLC can control color and status of backlight based on system information.						information.		
	Туре	Matrix resistive type					Analog res	sistive type		
	No. of touch keys	Max. 50 ke				eys/screen				
Touch	Key size		Min. 16 × 16	dots] (per key)		Min. 2 x 2 [dots] (per key)				
panel	No. of simultaneous touch points	Max. 2 points				Impossible (If there is a switch near the center of the pressed keys, the switch may function.)				
	Life			1.00	0 000 times or more (or	perating force 0.98N or		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	., ,	
	User memory*2	Built-in flash memory for saving project data (1.5MB or less) and OS						12KB or less), OS, alarm	history and recine data	
Memory	Life (No. of writings)				00 times					
	1 . (GT11-50BAT tvr	e lithium battery		-				
Battery	Backed up data		,,	story and recipe data				_		
,	Life	Replacement qu			nperature: 25°C)	-				
Built-in interface	For communication with PLC	RS-422/485, 1ch 115200/57600/38400, Connector shape: Conne Application: Comm Terminal resistance* (switched by terminal re GT1030-LBL/LWL, GRS-422, 1ch Tra 115200/57600/38400.	DLWD, GT1030-LBD/LWD GT1020-LBD/LWD W 35, 1ch Transmission speed: 800-1200-1200-1200-1200-1200-1200-1200-1		57600/38400/192 Connector shape: Conne	mission speed: 115200/ 200/9600/4800bps acter terminal block, 9-pin unication with PLC				
	For communication with personal computer		Application: C		Connector shape: M sonal computer (project	I				
			ength adjustable/none)							
	construction*4				Conforming to IP67f (JEM1030) (front panel)				
	dimensions		145(W) × 76(H)					H) × 27(D)[mm]		
Panel cut	dimensions		137(W) ×	66(H)[mm]				66(H)[mm]		
Weight		GT1030-L D(W): 0.3kg GT1030-L L(W): 0.28kg	, ,	0.3kg (excl. mo	unting brackets)		(excl. mounting brackets) (excl. mounting brackets)	 U.ZKO (excl. mount 	ting brackets)	
Applicable	software package			ble software package GT Works3 Version1.17T or later						

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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.

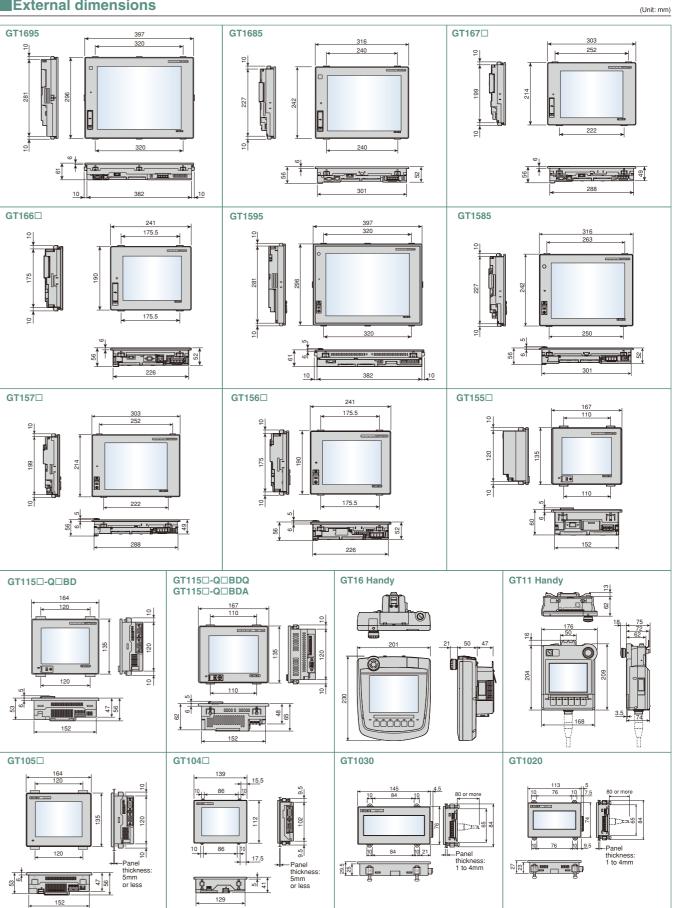
*3: In the case of GOT multi-drop connection, set the terminal resistance transfer switch on the GOT main unit according to the connection configuration.

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

External dimensions

GOT main unit

External dimensions



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Panel cut dimensions

hen the GOT is	installed		(Unit: mm	· +2 *4
Screen size	Type of GOT main unit		В	A 5
15"	GT1695	383.5	282.5	
15	GT1595	303.3	202.5	////
12.1"	GT1685*1	302	228	- '///
12.1	GT1585*1	302	228	- Panel opening B
40.4"	GT167□*2	000	200	- Panel opening B
10.4"	GT157 ^{*2}	289	200	////
8.4"	GT166	227	176	- ////
8.4	GT156	221	1/6	
	GT155 *3			-
5.7"	GT115 ^{*3}	153	121	*1 : Same dimensions as A985GOT(-V) *2 : Same dimensions as A975/970GOT(-B)
	GT105 ^{*3}			*3 : Same dimensions as F940GOT
4.7"	GT104	130	103	*4 : For the GT104_, GT1030 and GT1020, the tolerances are +1/0.
4.5"	GT1030	137	66	-
3.7"	GT1020	105	66	-

• When the CF card extension unit (mounting unit on control panel) is installed

	Type		В	Cautions when installing and uninstalling
Ì	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 or the GT15 User's Manual.

For compatibility with GOT900 series, see "Backward compatibility" (page 67).

Product installation interval

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 radius of cable bending curvature when designing the installation.

●GT16/GT15

	Item	GT1695	GT1685	GT167	GT166	GT1595	GT1585	GT157	GT156	GT155
	GOT only		50 or more (20 or m				ore) 50 or more (21 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 (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 m	ore)			50 or more (21 or more)	49 or more
	When a RS-422 conversion unit is installed		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 (or more (20 or m	iore)	
	When the CC-Link communication unit (GT15-J61BT13) is installed				50 or more	(20 or more)				50 or more (24 or more)
	When a CC-link IE controller network communication unit is installed	50 (or more (20 or m	ore)	50 or more (28 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 MELSECNET/H communication unit (coaxial) is installed				50 or more (35 or more)	50 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	50 or more (23 or more)*1	50 or more (32 or more)*1	50 or more (42 or more)*1	50 or more (20 or more)*1	50 or more (23 or more)*1	50 or more (37 or more)*1	50 or more (42 or more)*1	79 or more*1
Α	When a printer unit is installed					(20 or more)				50 or more (29 or more)
	When a multimedia unit is installed	50 or more (20 or more)*2	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)**2	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		r more (20 or mo		50 or more (25 or more)**3	-	50 or more (2		-	-
	When a video/RGB input unit is installed	50 or more (20 or more)*2 *3	61 or more*2 *3	70 or more*2 *3	80 or more*2 *3	-	61 or more*2 *3	75 or more*2 *3	-	-
	When a RGB output unit is installed	50 o	r more (20 or mo	re)*3	50 or more (25 or more)*3	-	50 or more (2	20 or more)*3	-	-
	When a CF card unit is installed				50 c	or more (20 or mo	ore)			
	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 (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				50 0	or more (20 or mo	ore)			
	When an external input/output unit is installed	50 0	or more (20 or m	ore)	50 or more (29 or more)	50 or more ((20 or more)	50 or more (24 or more)	50 or more (29 or more)	58 or more
В					80 0	or more (20 or mo	ore)			
С	(When a CF card is not used)		50 or more (20 or more)							
C	(When a CF card is used)		50 or more (20 or more)					100 or more		
D					50 0	or more (20 or mo	ore)			
Е		100 or more (20 or more)								
sk1 ·	1. The distance varies depending on the cable to be used. For details, consult the closest Mitsubishi Electric System & Service 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.

•G111					(Unit: mm)
			(0	
GOT main unit	A, D	В	When CF card is not used	When CF card is used	E
GT1155 GT1150	50 or more (20 or more)		50 or more*2 (20 or more)	100 or more	100 or more (20 or more)
the FO common (CO common) in the common for a first intelligence					

*1:50 or more (20 or more) in the case of vertical installation *2:80 or more (20 or more) in the case of vertical installation

	,				
●GT10					(Unit: mm)
GOT main unit	A	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 a RS-232 interface is used for using an RS-232/USB conversion adapter.

48

- 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 never exceed 55°C.
- 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.

A 0	Bus o	Bus connection		
	Cable model name	Cable le		
Panel opening B +2 *4	GT15-QC B	0.6, 1.2, 3, 5, 10		
	GT15-QC BS	15, 20, 25, 30, 3		
// / /	GT15-C NB	1.2, 3, 5m		
	GT15-AC□B	0.6, 1.2, 3, 5m		
	GT15-A370C B-S1	1.2, 2.5m		
	GT15-A370C□B	1.2, 2.5m		
	GT15-A1SC□B	0.7, 1.2, 3, 5m		

Fig. 9 Fig. 10 GT15-J2C10B 1m *1 : GT15-C_EXSS-1 is a set consisting of GT15-EXCNB and GT15-C_BS.
(See Fig. A.)

0.6, 1.2, 3, 5, 10m

15, 20, 25, 30, 35m

0.45, 0.7, 3, 5m

10.6. 20.6. 30.6m

0.7, 1.2, 3, 5, 10, 20, 30m

GT15-A1SC NB

GT15-EXCNB

GT15-C BS

GT15-C EXSS-1*1

Fig. 1

Fig. 1

Fig. 2 Fig. 3

Fig. 4

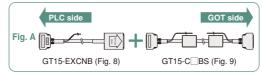
Fig. 5

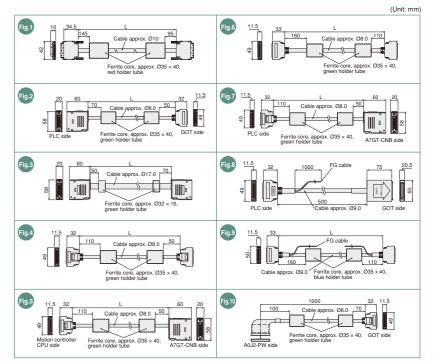
Fig. 6

Fig. 7

Fig. 8

Figs. 8 & 9





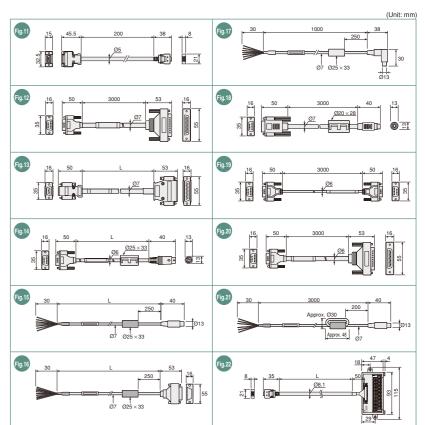
S-422	cables	

Cable model name	Cable length	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

Cable model name	Cable length	External dimensions
GT01-C30R2-6P	3m	Fig. 18
GT01-C30R2-9S	3m	Fig. 19
GT01-C30R2-25P	3m	Fig. 20
GT10-C30R2-6P	3m	Fig. 21

RS-485 terminal block conversion unit

Model name	Cable length	External dimensions
FA-LTBGTR4CBL	0.5, 1, 2m	Fig. 22



List of connectable models

The GOT1000 series allows connection to Mitsubishi PLCs and a variety of other FA devices.

Mitsubishi PLCs/Motion controllers/Safety controllers/ C controllers Applicable to wide product lines

						Con	nect	ion c	conf	gura	ation									Con	nect	ion c	onfi	gura	i
					G	T16/0							GT10)					G		GT15				Ī
Ser	ries	Model name	Bus connection	CPU direct connection	Computer link	MELSECNET/H	MELSECNET/10 *1 *4	CC-Link IE *1 *2	CC-Link (ID) *1 *5	CC-Link (via G4)	Ethernet *1	CPU direct connection	Computer link	CC-Link (via G4)	Series	Model name	Bus connection *3	CPU direct connection	Computer link	MELSECNET/H	MELSECNET/10 *1 *4	CC-Link IE *1*2	CC-Link (ID) *1 *5	CC-Link (via G4)	
MELSE Q serie (Q mod	S	Q00JCPU *7 Q00CPU *7 Q01CPU *7 Q02CPU *7 Q02HCPU *7 Q06HCPU *7 Q12HCPU *7 Q25HCPU *7	○ **	*19	*19	0	○ *9	0	0	0	0	*19	*19	0	MELSEC- A series (AnSCPU	A2USCPU A2USCPU-S1 A2USHCPU-S1 A1SCPU A1SCPUC24-R2 A1SHCPU A2SCPU A2SCPU A2SCPU-S1	0	*19 *19	0	×	0	×	0	×	
Redur	ndant system	Q02PHCPU Q06PHCPU Q12PHCPU Q25PHCPU Q12PRHCPU	~			0		0	0	0	0	×	×	×	type)*11	A2SHCPU A2SHCPU-S1 A1SJCPU A1SJCPU-S3 A1SJHCPU	*13	*19			×				
<u> </u>	n base)	Q25PRHCPU Q12PRHCPU	×	*19	×	_	*9		_		_					A0J2HCPU A0J2HCPUP21									
	ndant system nsion base)	Q25PRHCPU Q00UJCPU Q00UCPU	× ()*8	×	0	×	×	×	0	0	0					A0J2HCPU-DC24 A2CCPU	0	*12 *19	0		×		0	×	L
		Q01UCPU Q02UCPU Q03UDCPU													MELSEC- A series*11	A2CCPUP21 A2CCPUR21 A2CCPUC24	×		×	×	×	×	×	×	L
		Q04UDHCPU Q06UDHCPU Q10UDHCPU		○ *19								*19				A2CCPUC24-PRF A2CJCPU-S3 A1FXCPU	×	*19	×		×		×	×	
		Q13UDHCPU Q20UDHCPU Q26UDHCPU	0		○ *19	0	0	0	0	0	0		○ *19	0		Q172CPU *14 Q173CPU *14 Q172CPUN *14	*16	*16 *19	*17 *19	*17	○ *17	· · ·	○ *17	○ *17	
		Q03UDECPU Q04UDEHCPU Q06UDEHCPU Q10UDEHCPU													Motion controller CPU	Q173CPUN *14 Q172HCPU Q173HCPU Q172DCPU	0	*19 >15 *15 *19	*19	0	0	×	0	0	
		Q13UDEHCPU Q20UDEHCPU Q26UDEHCPU Q50UDEHCPU Q100UDEHCPU		*19 *20								*19 *20			(Q series)	Q173DCPU Q172DCPU-S1 Q173DCPU-S1 Q170MCPU MR-MQ100	O ×	*15 *19 (*19	○ *19	O ×	O ×	O ×	O ×	0 ×	
MELSEC-	QS series	QS001CPU	X	×	×	0	0	0	X	X	0	×	X	×	Motion	A273UCPU				_					r
MELSE Q serie (A mod	S	Q02CPU-A Q02HCPU-A Q06HCPU-A	×) *19	0	×	0	×	0	×	0) *19	0	×	controller CPU (A series)	A273UHCPU A273UHCPU-S3 A373UCPU	0	0	0	×	0	×	0	×	
MELSE L series MELSE	C-	L02CPU L26CPU-BT WS0-CPU0	×	*19 *21	○ *19 ×	×	×	×	O X	0 ×	0 ×	*19 *21	○ *19 ×	O X	(large type) Motion	A373UCPU-S3 A171SCPU A171SCPU-S3									
WS ser		WS0-CPU1 Q12DCCPU-V*22	0	O \$19	^ () \$19 () \$23	0	0	0	0	0	0	O*19	^ O*23	<u> </u>	controller	A171SCPU-S3N A171SHCPU					×				
MELSE QnA se (QnACP)	EC- eries	Q2ACPU Q2ACPU-S1 Q3ACPU Q4ACPU Q4ACPU	O *10	0	0	×	0	×	0	×	0	○*20 *19	*23 *6 *19		CPU (A series) (small type) *11	A171SHCPUN A172SHCPU A172SHCPUN A173UHCPU A173UHCPU-S1	○ *18	0	0	×	0	×	0	×	
MELSE QnA se (QnASC)		Q2ASCPU-S1 Q2ASCPU-S1 Q2ASHCPU Q2ASHCPU-S1 A2UCPU	0	*19	*6 *19						*6	*19	*6 *19		MELSEC-	FX0S FX0N FX1S FX1N FX1NC									
		A2UCPU-S1 A3UCPU A4UCPU A2ACPU					0								FX series	FX2N FX2NC FX3G FX3U	×	*19	×	×	×	×	×	×	
		A2ACPUP21 A2ACPUR21 A2ACPU-S1 A2ACPUP21-S1		*19								*19		×	MELSEC NET/H remote I/O station	QJ72LP25-25 QJ72LP25G QJ72BR15	×	0	0	×	×	×	×	×	
MELSE A series		A2ACPUR21-S1 A3ACPU A3ACPUP21 A3ACPUR21	0			×		×		×			0		*8 : When using	LJ72GF15-T2 nction version B or la	ctor box	c, it mus	t be inst	alled on				×	be
(AnCPl		A1NCPU A1NCPUP21 A1NCPUR21 A2NCPU A2NCPUP21 A2NCPUP21					×								*10: In Q4ARCP extension b *11: Computer li A0J2HCPU A0J2-C214- *12: Only the foll A2CCPU. E • AnNCPU(n version B or later for U redundant system, ase A68RB version E nk unit software versi A171SHCPU and A S1 (dedicated comprowing software versi Earlier versions canno S1)	the GO or late on U o 172SH uter link on or la of be us Versio	OT muser. In later in CPU concept content of the co	nust be nust be imputer r A0J2h be use ater for	used for link co HCPU) ed to wr	or the A nnection cannot ite data	as conne a2SCPL ons. be use to the	ection t J, A2SI d. AnNCF	ICPU,	A
		A2NCPUR21 A2NCPU-S1 A2NCPUP21-S1 A2NCPUR21-S1		*12 *19								*12 *19			A0J2HCPI A2CCPU *13: Cannot con	J (with/without link) : J-DC24 :	Versio Versio Versionsion b	on B or I on H or I oase is o	ater ater ater connect	ed. ler with	the foll	owina (OS vers	ion ine	ta

- be installed on the main base.)
- . A2SCPU. A0J2HCPU and

A3NCPUR21

Supported by GT16 and GT15 only. (GT16 Handy can be connected only through Ethernet.)

Indicates CC-Link IE network connection

When connecting multiple GOTs, note that the following GOT models cannot be used together: GOT1000 series,
GOT-A900 series, GOT800 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 to a CC-Link (highligent device station)
CC-Link (via G4): Connected to a CC-Link system via AJ65BT-G4-S3 or AJ65BT-R2N

When using A series computer link or an Ethernet module with a OnACPU, only the device ranges within AnACPU specifications are supported. The following devices cannot be monitored:

Devices that have been newly added to the QnACPU

Latch relay (L) and step relay (S)
(In the OnACPU, 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 the latch relay or step relay is specified.)

File register (R)

A3NCPU A3NCPUR21

Communication units/optional units

External dimensions

Communication units/bus extension connector boxes								
	Produ	Model name	External dimensions					
		bus connection unit for	1ch	GT15-QBUS	Fig. 1			
	QCPU (Q mode)/m	otion controller CPU (Q Series)	2ch	GT15-QBUS2	Fig. 2			
D		of bus connection unit for	1ch	GT15-ABUS	Fig. 1			
Bus	QnA/ACPU/motio	on controller CPU (A Series)	2ch	GT15-ABUS2	Fig. 2			
unit	Thin model of bus		1ch	GT15-75QBUSL	Fig. 3			
0	QCPU (Q mode)/m	otion controller CPU (Q Series)	2ch	GT15-75QBUS2L	Fig. 3			
		s connection unit for	1ch	GT15-75ABUSL	Fig. 3			
	QnA/ACPU/motio	on controller CPU (A Series)	2ch	GT15-75ABUS2L	Fig. 3			
	RS-232 serial of (D-sub 9-pin (n	communication unit		GT15-RS2-9P	Fig. 4			
Serial communication unit	RS-422/485 se (D-sub 9-pin (fe	rial communication unit emale))	GT15-RS4-9S	Fig. 4				
	RS-422/485 se (terminal block	rial communication unit)	GT15-RS4-TE	Fig. 5				
RS-422	RS-232→RS-4	22 conversion unit (9-pin))	GT15-RS2T4-9P	Fig. 6			
conversion unit	RS-232→RS-4	22 conversion unit (25-pi	n)	GT15-RS2T4-25P	Fig. 6			
Bus extens	sion connector b	IOX		A9GT-QCNB	Fig. 7			
Bus conne	ctor conversion	box		A7GT-CNB	Fig. 8			
MELSECN	IET/H	Optical loop unit		GT15-J71LP23-25	Fig. 9			
communic	ation unit	Coaxial bus unit		GT15-J71BR13	Fig. 10			
CC-Link IE controller network communication unit				GT15-J71GP23-SX	Fig. 11			
CC-Link communication unit Intelligent device station unit				GT15-J61BT13	Fig. 12			
Ethernet communication unit				GT15-J71E71-100	Fig. 13			
Serial multi-drop connection unit				GT01-RS4-M	Fig. 14			
Connector conversion adapter				GT10-9PT5S	Fig. 15			
CC-Link in	terface unit			GT11H(S)-CCL	Fig. 16			

Product name	Model name External dimensions
Printer unit	GT15-PRN Fig. 17
Multimedia unit	GT16M-MMR Fig. 18
Midii-	GT16M-V4 Fig. 19
Video input unit	GT15V-75V4 Fig. 20
DOD in the state of	GT16M-R2 Fig. 19
RGB input unit	GT15V-75R1 Fig. 20
Vid/DCD :tit	GT16M-V4R1 Fig. 19
Video/RGB input unit	GT15V-75V4R1 Fig. 20
DOD	GT16M-ROUT Fig. 21
RGB output unit	GT15V-75ROUT Fig. 21
CF card unit	GT15-CFCD Fig. 22
CF card extension unit	GT15-CFEX-C08SET Fig. 23
Audio output unit	GT15-SOUT Fig. 24
F-+	GT15-DIOR Fig. 25
External input/output unit	GT15-DIO Fig. 25
U	GT11H-CNB-37S Fig. 26
Handy GOT connector conversion box	GT16H-CNB-42S Fig. 27

*1 : The connector shape varies depending on the model.

*2 . Dimensions A to D for each communication unit						
	Model name	A		С	D	
	GT15-QBUS	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	●GOT main unit factor	
100 or mo	ore X	Type of GOT	Y (main unit factor)
		GT1695	-2
		GT1595	-0.5
		GT1685, GT1585	-3.5
	ω N	GT167_, GT157_	-0.5
	st stag	GT166_, GT156_, GT155_	1.5
	999 0		(Unit: mm)
Other device	GOT main unit		, ,

Option factor for communication units / option units							
Model name	Z (option factor)						
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	35.5						

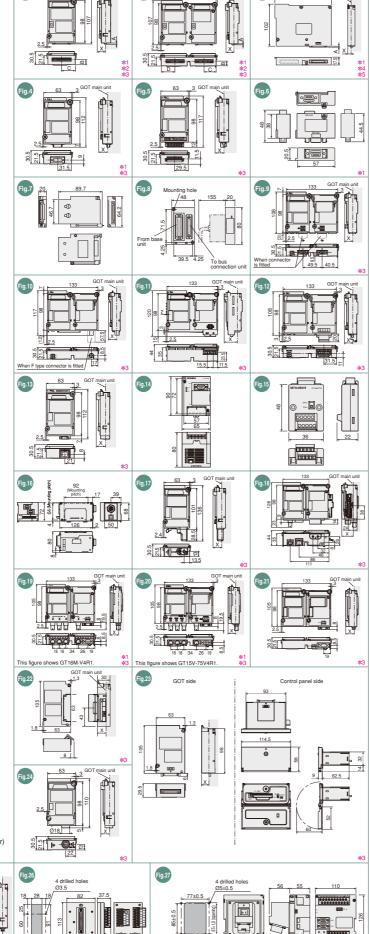
One-layer configuration: Y (main unit factor) + Z (option factor)

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 communication u								
	Model name	A						
	GT15-75QBUSL	2.5						
	GT15-75QBUS2L	2.5						
	GT15-75ABUSL	4						

GT15-75ABUS2L 4

*5 : Dimension X when GOT is inst							
●For G	T16		●For GT15				
15"	6.5		15", 10.4"	8			
12.1"	5		12.1"	5			
10.4"	8		8.4", 5.7"	10			
8.4"	10						



50

, A1SHCPU, A1SJHCPU,

ter for CPUs without link

List of connectable models

Modules usable when connected with Mitsubishi PLCs

● For computer link connection

CPU series	Serial communi	cation	module/compute	er link module*1
GPU series	Model nam	ie	CH1	CH2
MELOFOO	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
station	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
MELSEC-Q series (A mode)	A1SJ71UC24-R2		RS-232	-
MELSEC-Q series (A filode)	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-R	2 *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
*I : RS-485 communication is not pos AQJ2-C214-S1 is unusable. When using A series computer lin only the device ranges within AnA are supported. The following devices cannot be I - Devices that have been newly ad - Latch relay (L) and step relay (S) (in the OnACPU, the latch relay (S) are separate devices from If (M), but the internal relay is non when either the latch relay or st specified.)	k with QnACPU, CPU specifications monitored: ided to the QnACPU (L) (L) and step relay the internal relay tetheless accessed	conn CH1 *3 : Only *4 : Eithe *5 : Wher A2SH A171 modu *6 : Com	lle software version U or puter link module/seria ule operate within the able on AnACPU. (R o	rsion B or later, both cted. connected. U, ASSCPU(S1), A0J2HCPU, PU(N), use computer link later. later. later and or devices

- : RS-485 communication is not possible; therefore, A0J2-C214-S1 is unusable. When using A series computer link with QnACPU, only the device ranges within AnACPU specifications are supported.

 The following devices cannot be monitored:

 Devices that have been newly added to the QnACPU

 Latch relay (L) and step relay (S) (In the QnACPU, 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 the latch relay or step relay is specified.)

 File register (R)

● For MELSECNET/H connection

CPU series	MELSECNET/H module				
CFU Selles	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				

*1 : Use CPU and MELSECNET/H network unit function version B or later.

● For MELSECNET/10 connection

CPU series	MELSECNET/H (NET/10 mode), MELSECNET/10 module					
CPU Selles	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 QJ71GP21S-SX

●For CC-Link (ID) connection

CPU series	CC-Link unit
MELSEC-Q series (Q mode)	QJ61BT11
C controller	QJ61BT11N
MELSEC-L series	LJ61BT11
MELOEO O-Ai	AJ61QBT11*1
MELSEC-QnA series	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)	QJ61BT11	AJ65BT-G4-S3
C controller	QJ61BT11N	AJ65BT-R2N
MELSEC-L carios	1 I61RT11	

● For Ethernet connection

CPU series			Ethernet module	k 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		
MELCEC EV corios	EVOLI ENIET I				

**1: When using an A series Ethernet with CnACPU, only the device ranges within AnACPU specifications are supported except for the following devices.

- Devices that have been newly added to the CnACPU .

- Latch relay (L) and step relay (S) (In 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 the latch relay or step relay is specified.)

- File register (R)

The GOT can be connected to Mitsubishi inverters to set their parameters and display alarms.

Model name	GIID/GIID/GIII/GIIU				
Woder Haine	RS-422	RS-232			
FREQROL-S500/S500E	0	X			
FREQROL-E500	0	X			
FREQROL-F500/F500L	0	X			
FREQROL-F500J	0	X			
FREQROL-A500/A500L	0	X			
FREQROL-V500/V500L	0	X			
FREQROL-E700	0	×			
FREQROL-F700	0	X			
FREQROL-A700	0	X			
FREQROL-D700	0	X			

Servo amplifiers

The GOT can be connected to Mitsubishi servo amplifiers to set their parameters and display alarms.

Series	Model neme	GT16/GT15/GT11/GT10					
Series	Woder Hame	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-J2S- CL	Model name RS-422 R: 3-J3-□A 3-J3-□T C: 3-J2S-□A C: 3-J2S-□CP C: 3-J2S-□CL C: 3-J2M-P8A C: 3-J2S-□CL C: 3-J2M-P8A C: 3-J2S-□CL C: 3-J2M-P8A C: 3-J2	0				
MELSERVO-J2M series	MR-J2M-P8A	0	0				
IVIELOEN VO-JZIVI SEITES	MR-I2M DII	0					

Robot controllers

The GOT can be used to monitor Mitsubishi robot controllers and set their parameters.

		GT16/GT15/GT11											
	Controller name	Connection configuration Bus CPU direct Computer MELSEC MELSEC CC-Link CC-Link CC-Link Ethernel											
			CPU direct connection		MELSEC NET/H *1	MELSEC NET/10 *1 *2	CC-Link IE *1 *5	CC-Link (ID) *1 *3	CC-Link (via G4)	Ethernet			
	CRnQ-700	0	○ *4	0	0	0	0	0	0	0			
	CRnD-700	X	X	X	X	×	X	X	X	0			

The GOT can be used to monitor Mitsubishi CNC C70 and C6/C64 and to set their parameters.

		G116/G115/G111													
	name		Connection configuration Bus CPU direct Computer MELSEC MELSEC CC-Link CC-Link CC-Link Ethernet												
Series			CPU direct connection		MELSEC NET/H *1	MELSEC NET/10 *1 *2	CC-Link IE *1 *6	CC-Link (ID) *1 *3	CC-Link (via G4)	Ethernet *1					
CNC C70	Q173NCCPU	0	○ *5	0	0	0	0	0	0	0					
MELDAS C6/C64	FCA C64	×	○ *4	×	×	○ *4	×	○ *4	×	○ *4					
ed . Cump	and and but CT1C	and CT1E	anhi (CT1)	C I londu o		antad anlu	shrauah Es	hornot \							

- #1: Supported by GT16 and GT15 only. (GT16 Handy can be connected only through Ethernet.)

 #2: When MELSECNETH is used in NET10 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 systems ontware version D0 or later.

 #5: Only a USS interface is available on the G173NCCPU.

 The G173NCCPU can be accessed via RS-232 of the QCPU of a multi-CPU system.

 #6: Indicates CC-Link Ite network connection.

■Units usable when connected with MELDAS C6/C64

●For MELSECNET/10 connection

Series									
Series	Optical loop	Coaxial bus							
MELDAS C6/C64	FCU6-EX879	FCU6-EX878							
●For CC-Link (ID) connection									

Series	CC-Link unit
MELDAS C6/C64	FCU6-HR865
A-	

● For Ethernet connection

Series	Ethernet module
MELDAS C6/C64	FCU6-EX875
* : Applicable GOT varies depending on the conne	ction destination.
GT16 ··· When connected via RS-232, RS-422/485 or Ethem When connected via ports other than abov	et: All models (Use the built-in interface of the GOT main unit.) e: 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 When other than RS-232	All models (Use the built-in interface of the GOT main unit.) All models (Bus connection and network connection are enabled)
GT11 ··· When connected via RS-232 or RS-42	by mounting a communication unit on the GOT main unit.)
When using bus connection	: GT115 -Q BDQ, GT115 -Q BDA
Handy GOT ··· When connected via RS-232, RS-422/485 or Etherne When connected via RS-232 or RS-42	2: GT115 HS-Q BD
GT10 ··· When connected via RS-232	: GT105□-Q□BD, GT104□-Q□BD, GT1030-L□D2/L□DW2, GT1020-L□D2/L□DW2
When connected via RS-422	· GT105 -O BD GT104 -O BD GT1030-I D/I DW

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.

Third pa	arty PLCs/	Motion controller	s/Saf	ety co	ontro	llers	The GOT	can be connec	ted with third party PLC:	s through RS-232 com	municati	on at up	to 115.2k	or E	thernet.
				GT16/G	T15/GT	11/GT1	n					GT16/G	T15/GT	11/GT10	n
Manu	facturer	Model name		nk connection		t connection	Ethernet	Ma	anufacturer	Model name		nk connection	CPU direct		Ethernet
			RS-422	RS-232	RS-422	RS-232	connection *9				RS-422	RS-232	RS-422	RS-232	connection *9
	SYSMAC CPM	CPM1 CPM1A		0		×		Hitachi	S10mini	LQP000 LQP010			×	×	×
		CPM2A CPM2C	×			X	×	*1	Stommi	LQP011 LQP120	1	L		^	^
	SYSMAC CQM1 SYSMAC CPQ1H	CQM1 CQM1H	-	×				Fuji Electric FA		F55 F70	-				
	SYSMAC CJ1	CJ1H CJ1G		·	1	0		Components & Systems	MICREX-F	F120S F140S		0	×	×	×
	SYSMAC CJ2	CJ1M CJ2H	1 ()*3			O*12	*1		F15 S FP0-C16CT					
		CP1H			×	×				FP0-C32CT	1		l		
	SYSMAC CP1	CP1L CP1E (N type) *13				O*13				FP0R FP1-C24C	×	×	×	0	
MRON	SYSMAC C200HS SYSMAC C200H	C200HS C200H	-			×	×			FP1-C40C FP2					
	SYSMAC α	C200HX C200HG	0	0		0		Panasonic Ele	ctric Works	FP2SH FP3	-				×
		C200HE CS1H	1							FP5 FP10 (S)	×	0	×	0	
	SYSMAC CS1	CS1G CS1D				0) *12			FP10SH FP-M (C20TC)	1				
	SYSYMAC C1000H	C1000H	(⊝*3		×				FP-M (C32TC)	×	×	×	0	
	SYSYMAC C2000H	CV500					×			FP-Σ FP-X	0	0			
	SYSMAC CVM1/CV	CV1000 CV2000	×	×)*3				GL120 GL130		×		0	
		CVM1 KV-700								GL60S GL60H	0	0	×	×	×
EYENCE		KV-1000 KV-3000	0	0	×	0	×			GL70H CP-9200SH	-			×	0
		KV-5000 SU-5E				X		YASKAWA EI	actric	CP-9300MS MP920	×	×	×		×
	KOSTAC SU	SU-6B		0	0		×	*10	SCINC	MP930				0	
	series	SU-5M SU-6M								MP940 PROGIC-8	×	×			×
	PZ series DirectLOGIC	PZ3 D2-240	×	×	O X	0	×			CP-9200 (H) CP-312			×		_
	205 series	D2-250-1 D2-260	0	0	0	0	×			MP2200 MP2300	0	0		×	0
		D0-05AA D0-05AD	-						FA500	FA500 F3SP05		○ *3	X	X	×
OYO	DirectLOGIC	D0-05AR D0-05DA								F3SP08 F3SP10	0 ×	-		0	0
		D0-05DD D0-05DD-D		0	×	0	×			F3SP20 F3SP30		1		×	×
1		D0-05DR								F3FP36					
		D0-05DR-D D0-06DD1						Yokogawa	wa FA-M3	F3SP21 F3SP25	_	0	×		
	DirectLOGIC 06 series	D0-06DD2 D0-06DR	-					Electric		F3SP35 F3SP28	0				
		D0-06DA D0-06AR	0	0			×	**		F3SP38 F3SP53	-			0	0
		D0-06AA D0-06DD1-D								F3SP58 F3SP59	1				
		D0-06DD2-D D0-06DR-D								F3SP66 F3SP67	×	×	1		
		JW-21CU	0	.,					STARDOM	NFCP100	×	×	×	0	O*11
		JW-31CUH JW-50CUH		×	×	×				NFJT100 SLC500-20					
harp Manufac	turing	JW-22CU JW-32CUH	_			×			SLC500-30 SLC500-40				O*1		
ystems 1		JW-33CUH JW-70CUH JW-100CUH JW-100CU	0	×	(⊃*3			SLC500 series *5	SLC5/01 SLC5/02	×	×	×		×
			-							SLC5/03 SLC5/04				0	
		Z-512J	X	X	 ') *3				SLC5/05 1761-L10BWA				_	
		PC3JG-CPU	0	O*4	×	O*4				1761-L10BWB 1761-L16AWA	1				
	TOYOPUC	PC3J PC3J-CPU PC3JL-CPU PC2JC-CPU	0	O*4	0	O*4				1761-L16BWA 1761-L16BWB	1				
EKT 1	series	PC2J16P-CPU				O*4	×		MicroLogix 1000 series (digital CPU)	1761-L16BBB					
		PC2J PC2J16PR-CPU PC2J-CPU	0	0*4	×				*5	1761-L32AWA 1761-L32BWA	×	×	×	0	×
		PC2JS-CPU PC2JR-CPU				×				1761-L32BWB 1761-L32BBB	∃ ^		''		
	DDOCEO	T2 (PU224) T2E	-		<u> </u>	X O*3		Automation,	Minutes dono	1761-L32AAA 1761-L20AWA-5A					
	PROSEC T series	T2N X	×	×					MicroLogix 1000 series (analog CPU) *5*6*7	1761-L20BWA-5A 1761-L20BWB-5A					
OSHIBA		T3H model 3000 (S3)	1		0	×	×		MicroLogix 1200 series *5 MicroLogix 1500 series *5	1762-L24BWA 1764-LSP					
	V series	model 2000 (S2) model 2000 (S2T)	×	×	0	×		Inc)		1756-L 1756-L1M1					
		model 2000 (S2E)								1756-L1M2					
	TO 1-1 1	TC3-01 TC3-02	1							1756-L1M3 1756-L61					
OSHIBA ACHINE	TCmini series	TC5-20 TC6-00	×	×	×	0	×		ControlLogix series	1756-L62 1756-L63	×	×	×	O*1	O*8
AOTHIVE	Robot controller	TC8-00 TS2000	×	×	×	0	×			1756-L55M12 1756-L55M13			_ ^		
	nobol controller	TS2100 H-302 (CPU2-03H)	_ ^	<u> </u>			^			1756-L55M14 1756-L55M16	-				
		H-702 (CPU2-07H) H-1002 (CPU2-10H)	-							1756-L55M22 1756-L55M23	-				
	Large-sized H series	H-2002 (CPU2-20H) H-4010 (CPU3-40H)	O *3	O*3	×	0	×			1756-L55M24 1769-L31					~
	001100	H-300 (CPU-03Ha) H-700 (CPU-07Ha)							CompactLogix series	1769-L32E 1769-L32C				O*1	○*8 ×
		H-2000 (CPU-20Ha)							CompactLogix series	1769-L35E	×	×	×	0	O*8
		H-200 (CPU-02H, CPE-02H) H-250 (CPU21-02H)							FlexLogix series	1769-L35CR 1794-L33	×	×	×	O*1	×
	H-200 to 252 series	H-252 (CPU22-02H) H-252B (CPU22-02HB)	×	×	×	0	×		1 loxEdgix collec	1794-L34 IC693CPU311 IC693CPU313				0	
itachi dustrial		H-252C (CPU22-02HC) H-252C (CPE22-02HC)						IC693CPU323	-		×	×			
quipment ystems		H-20DR H-28DR	-						Series 90-30	IC693CPU350 IC693CPU360	-				×
1		H-40DR H-64DR	1							IC693CPU363 IC693CPU366	1		0	0	
	H series board type	H-20DT	×	×	×	0	×			IC693CPU367	1				
	_ Jano typo	H-28DT H-40DT	1					GE Fanuc Automation		IC693CPU374 IC697CPU731					
		H-64DT HL-40DR	1					Corporation *1		IC697CPX772 IC697CPX782	1				
		HL-64DR EH-CPU104	_							IC697CPX928 IC697CPX935	}				
	EH-150 series	EH-CPU208 EH-CPU308	×	×	×	0	×		Series 90-70	IC697CPU780 IC697CGR772		0	×	×	×
		EH-CPU316 LQP510	1		0					IC697CGR935 IC697CPU788	1				
ldCIII	S10V S10mini	LQP520	0	0	×	×	×			IC697CPU789	1				
	31UIIIIIII	LQP800								IC697CPM790		1			

List of connectable models

Third party PLCs/Motion controllers/Safety controllers

				GT16/G	T15/GT	11/GT10)
Manuf	acturer	Model name	Computer lin	k connection	CPU direct	connection	Ethernet
			RS-422	RS-232	RS-422	RS-232	connection *9
		IC200UAA003	0	0	0		
		IC200UAR014]	
		IC200UDD104	1				
		IC200UDD112	1				
		IC200UDR001]		×		
		IC200UDR002					
		IC200UDR003					
		IC200UAL004]	
		IC200UAL005					
E Fanuc		IC200UAL006	00UAL006 × ×				
	VersaMax Micro	IC20011AA007			×		
	versaiviax iviicro	IC200UAR028	1				_ X
orporation		IC200UDD110	1				
"		IC200UDD120					
		IC200UDD212	1		0		
		IC200UDR005	1				
		IC200UDR006	1				
		IC200UDR010	1				
		IC200UDD064]		
		IC200UDD164	0				
		IC200UDR164		0			
		IC200UDR064	1				
	K300S	K4P-15S					
S Industrial	K200S	K3P-07□S	0			×	.,
ystems	K120S	K7M-D		9	×	0	×
. [K80S	K7M-D S (/DC)]				
		TSX P57 203M					
	Modicon	TSX P57 253M]				
		TSX P57 303M	1				
	Premium	TSX P57 353M	1				
		TSX P57 453M	1				
Ī		140 CPU 311 10	1				
chneider		140 CPU 434 12U	1				
		140 CPU 534 14U	1 ×	l x	×	×	0
lectric SA		140 CPU 651 50	1				*11
1	Modicon	140 CPU 651 60	1				
	Quantum	140 CPU 671 60	1				
		140 CPU 113 02	1				
		140 CPU 113 03	1				
		140 CPU 434 12A	1				
		140 CPU 534 14A	1				
SICK AG		Flexi Soft series	X	X	×	0	X
		SIMATIC S7-200 series					
Siemens AG		SIMATIC S7-300 series	1 ×	×	l ×		×
		SIMATIC S7-400 series	1				'``
: The GOT ca because it d : RS-422 or B	oes not have an RS IS-232 is selectable.	to the CQM1-CPU11	1 half-dup herNet/IP (pported by 10 is appli	lex format. PCCC pro GT16 and cable only	tocol) is su d GT15 on to the follo	upported. ly. owing mod 940, MP22	els:
*3 : RS-422 or R *4 : RS-232/RS-4 *5 : Connection to th	IS-232 is selectable. 422 converter (TXU-; e DH485 network via an ac	. *10 : GT 2051) is required. CF dapter (1770-KF3) is possible. MF	110 is appli 2-9200SH, 22300.	MP920, M	to the folk IP930, MP	owing mod 940, MP22	els: !00,

- because it does not have an RS-232 interface.

 RS-422 or RS-232 is selectable.
- RS-422 or RS-221 s electable.

 RS-228 FR-422 converter (TXL-268F1) is required.

 RS-238 FR-422 converter (TXL-268F1) is required.

 Connection to the DH485 requires a C-Series or later

 CPU. (RS-Series and earlier models do not support the bH485 protops.)
- CPU. (8-Series and earlier models do not support the DH485 protocol.)

 7: A one-to-one connection requires a D-Series or later CPU. (C-Series and earlier models do not support the CPU. (C-Ser

	Series and earlier m			only directly to		
Modules	s usable when					hernet module:
Manı	ıfacturer	RS-4	122	RS	-232	Ethernet
OMRON Host link unit/ communication unit/ communication board/ Ethernet unit		C200H-LK202- C500-LK201-V CQM1-SCB41 CJ1W-SCU41 CJ1W-SCU21-V1 CS1W-SCB41 C200HW-COM CP1W-CIF11 CP1W-CIF11 CJ1W-CIF11	1 +CP1W-EXT01 03/06	C200H-LK20 C500-LK201- CS1W-SCU2: CS1W-SCU2: CJ1W-SCU2: CJ1W-SCU4: C200HW-CO CQM1-CIF01 CQM1-SCB4 CPM1-CIF01 CPM2C-CNIF CPM2C-CIFC CPM2-CIFC	1-V1 V1 1 1/41 1-V1 (1+CP1W-EXT01 1 M02/05/06 /02 1	CS1W-ETN21 CS1D-ETN21D CJ1W-ETN21
	unication unit	KV-L20R KV-L20	KV-L20V	KV-L20R KV-L20	KV-L20V	_
Data commun	RONICS INDUSTRIES ication module/ mmunication module	D2-DCM		U-01DM D2-DCM D0-DCM		_
Sharp Manu Link unit	facturing Systems	JW-21CM JW-10CM	ZW-10CM	-		_
JTEKT Link unit		THU-2755 THU-2927	THU-5139	-	_	_
Hitachi Industrial Equipment Systems Intelligent serial port module		COMM-H COMM-2H		COMM-H COMM-2H		_
Hitachi Communica	tion module	LQE565 LQE165		LQE560 LQE060	LQE160	_
Fuji Electric	RS-232C interface card	_	_	NV1L-RS2		
FÁ Components	RS-232C/485 interface capsule	FFK120A-C10		FFK120A-C1	0	_
& Systems	General interface module	NC1L-RS4 FFU120B		NC1L-RS2 FFU120B		
	lectric Works ommunication unit	AFPX-COM3		AFP2462 AFP3462 AFP5462	AFPX-COM1 AFPX-COM2 AFPX-COM4	_
YASKAWA MEMOBUS communicat	module/	JAMSC-120NC JAMSC-IF612 217IF 217IF-01	M27100	JAMSC-IF60 JAMSC-IF61 CP-217IF		218IF 218IF-01
Yokogawa E Personal con Ethernet inte	Electric nputer link module/ erface module	LC02-0N F3LC11-2N		LC01-0N LC02-0N F3LC01-1N	F3LC11-1N F3LC11-1F F3LC12-1F	F3LE01-5T F3LE11-0T F3LE12-0T
	ockwell Automation, Inc.) ommunication module	_	-	_	_	1756-ENBT 1756-ENET
GE Fanuc Aut Communication	tomation Corporation on module	IC693CMM311 IC697CMM711		IC693CMM31 IC697CMM71		_
20 11100001101	net communication unit	G7L-CUEC		G7L-CUEB		
Systems Cr	net communication module	G6L-CUEC	G4L-CUEA	G6L-CUEB	G4L-CUEA	
Schneider E	Electric SA					TSX ETY 4102 TSX ETY 5102

Schneider Electric SA Ethernet unit

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Servo amplifiers The GOT can be used to set parameters and display alarms.

140 NOE 771 00 140 NOE 771 10 140 NWM 100 00

		GT16/GT15/GT11		
Manufacturer	Model name	RS-485	RS-232	
Panasonic	MINAS A4 series MINAS A4F series	0	0	
Fallasonic	MINAS A4F series			

The GOT can be used to monitor robot controllers and **Robot controllers**

Manufacturer		Model name	GT16/GT15/GT11/GT10			
		Model name	RS-422	RS-232		
		XSEL-J/K/KE				
	X-SEL	XSEL-P/Q	×	0		
		XSEL-KT/KET				
IAI		XSEL-JX/KX				
		XSEL-KTX	1	_		
		XSEL-PX/QX				
	SSEL	SSEL				

E5CN

Thermac NEO

he GOT can be used to log data.

		E5GN	(2-wire type)*1	×	_
	In-Panel NEO	E5ZN	1		
	ACS-13A series	ACS-13A □/□,□, C5			
	DCL-33A series	DCL-33A-□/M,□, C5	1		
		JCS-33A-□/□□, C5	1 0 1		~ *
	JC series	JCR-33A-□/□□, C5	(2-wire type)*1		O *2
		JCD-33A/, C5	(= , , , ,		
	JCM-33A series	JCM-33A/,_C5	1		
		FCR-13A-\(\text{/M}\), C		-	
	FCR-100 series	FCR-15A-\(\text{M}\), C	1		
Shinko		FCD-13A-□/M, C	1	×	
Technos	FCD-100 series	FCD-15A-\(\text{/M}\), C	×	^	
	FCR-23A series	FCR-23A-□/M, C	1		
	1 OI1-23A Selles	PC935-□/M, C	1		O *4
		PC935-□/M, C5	○(2-wire type)*1		0
	PC-900 series	PC955-□/M, C	C(2-wile type)		
		PC955-□/M, C5	<u> </u>		
	DOD 200i	PC955/M, C5 PCD-33A/M, C5	4 × *1		
	PCD-300 series		(2-wire type)		
	FIR series	FIR-201-M, C	X	-	O *2
	JIR-301-M series	JIR-301-M□, C5	O(2-wire type)*1		
	LT300 series	LT350, LT370	-		
	LT400 series	LT450, LT470		0	O *2*3
	DZ1000 series	DZ1000 *7			
	DZ2000 series	DZ2000 *7			
CHINO	LT230 series	LT230	(2-wire type)		- *2
	LT830 series	LT830	(= 1, p = /	×	O *2
	GT120 series	GT120			
	DB1000 series	DB1000		0	0
	DB2000 series	DB2000			
Fuji Electric	Micro	PXR PXR3/4/5/9			
Systems	Controller X	PXG PXG4/5/9	(2-wire type)	×	○ *2
Oystonis	Controller X	PXH PXH9	(2-wire type)		
		SDC20/21			
		SDC30/31	I I		
	SDC	SDC40A/40B/40G	(4-wire type)		
YAMATAKE	SDC	SDC15		×	○ *2
		SDC25/26] 0 *1		
		000000			
		SDC35/36	(2-wire type)		
	DMC	DMC10	(2-wire type)		
	DMC		(2-wire type)		
	DMC	DMC10	(2-wire type)		
	DMC	DMC10 UT320/321 UT350/351	(2-wire type)		
	DMC	DMC10 UT320/321	(2-wire type)		
	DMC	DMC10 UT320/321 UT350/351 UT420	(2-wire type)		
	DMC	DMC10 UT320/321 UT350/351 UT420 UT450 UT520	(2-wire type)		
		DMC10 UT320/321 UT350/351 UT420 UT450 UT520 UT550/551	O *1		
	DMC GREEN series	DMC10 UT320/321 UT350/351 UT420 UT450 UT520 UT550/551 UT750	0 *1 (2-wire type/		
		DMC10 UT320/321 UT350/351 UT420 UT420 UT450 UT520 UT550/551 UT750 UP350/351	O *1		
		DMC10 UT320/321 UT350/351 UT420 UT450 UT450 UT520 UT550/551 UT750 UP350/351 UP350/351	0 *1 (2-wire type/		
Yokogawa		DMC10 UT320/321 UT350/351 UT420 UT450 UT550 UT550 UT550 UT750 UP350/351 UP350/351 UP550 UP550 UP750	0 *1 (2-wire type/	Y	
Yokogawa		DMC10 UT320/321 UT350/351 UT420 UT420 UT450 UT550/551 UT750 UP350/351 UP550 UP750 UM330/331	0 *1 (2-wire type/	×	O #2
Yokogawa		DMC10 UT320/321 UT350/351 UT420 UT450 UT450 UT520 UT550/551 UT750 UP350/351 UP550 UP750 UM330/331 UM350/351	0 *1 (2-wire type/	×	○ *2
Yokogawa		DMC10 UT320/321 UT350/351 UT420 UT450 UT550 UT550 UT550 UT750 UP350/351 UP750 UP350/351 UP750 UP750 UM350/351 UM350/351 UM350/351 US1000	0 *1 (2-wire type/	×	O #2
Yokogawa		DMC10 UT320/321 UT350/351 UT420 UT420 UT450 UT550 UT550 UT550 UT550 UP350/351 UP550 UP750 UM330/331 UM350/351 UM310/351 US1000 UT130	0 *1 (2-wire type/	×	O #2
Yokogawa	GREEN series	DMC10 UT320/321 UT350/351 UT420 UT450 UT450 UT520 UT520 UT550/551 UT750 UP350/351 UP550 UP750 UM330/331 UM350/351 US1000 UT130 UT150	(2-wire type/ 4-wire type)	×	○ #2
Yokogawa		DMC10 UT320/321 UT350/351 UT420 UT450 UT450 UT550 UT550 UT750 UP350/351 UP750 UP750 UP750 UM330/331 UM350/351 US1000 UT130 UT150 UT150 UT150	2-wire type/ 4-wire type)	×	○ *2
Yokogawa	GREEN series	DMC10 UT320/321 UT350/351 UT420 UT450 UT450 UT550/551 UT750 UP350/351 UP550 UP750 UP350/351 UM330/331 UM350/351 US1000 UT130 UT150 UT155 UT155	(2-wire type/ 4-wire type)	×	O #2
Yokogawa	GREEN series	DMC10 UT320/321 UT350/351 UT420 UT420 UT450 UT550/551 UT750 UP350/351 UP550 UP750 UM330/331 UM350/351 US1000 UT130 UT150 UT150 UT150 UT155 UT155 UT155	(2-wire type/ 4-wire type)	×	○ * 2
Yokogawa	GREEN series	DMC10 UT320/321 UT350/351 UT420 UT450 UT450 UT520 UT550/551 UT750 UP350/351 UP750 UP750 UM330/331 UM350/351 US1000 UT130 UT150	(2-wire type/ 4-wire type)	×	○ *2
Yokogawa	GREEN series UT100 series	DMC10 UT320/321 UT350/351 UT420 UT450 UT450 UT550/551 UT750 UP350/351 UP750 UP750 UP750 UM330/331 UM350/351 US1000 UT130 UT150 UT155 UP155 UP150 UT155 UP150 UT150	(2-wire type) (2-wire type) *1 (2-wire type) (4-wire type)	×	O #2
Yokogawa	GREEN series UT100 series	DMC10 UT320/321 UT350/351 UT420 UT450 UT450 UT520 UT550/551 UT750 UP350/351 UP550 UP750 UM330/331 UM350/351 US1000 UT130 UT150 UT155 UT155 UT155 UT155 UT155 UT150 UT150 UT150 UT150 UT150 UT150 UT150 UT150 UT150 UT2400 UT2800 UT2800	(2-wire type/ 4-wire type)	×	O *2
Yokogawa	GREEN series UT100 series UT2000 series SR Mini HG series	DMC10 UT320/321 UT350/351 UT420 UT450 UT450 UT520 UT550/551 UT750 UP350/351 UP750 UP750 UM330/331 UM350/351 US1000 UT130 UT152 UT155 UT155 UT155 UT155 UT150 UT2400 UT2400 UT2400 UT2800 H-PCP-J H-PCP-A	(2-wire type) 4-wire type) (2-wire type) (4-wire type) (4-wire type) (2-wire type)**	0	· · ·
	GREEN series UT100 series UT2000 series SR Mini HG series SRZ series	DMC10 UT320/321 UT350/351 UT420 UT450 UT450 UT550/551 UT750 UP350/351 UP550 UP750 UP750 UM330/331 UM350/351 US1000 UT130 UT150 UT150 UT155 UP150 UT155 UP150 UT155 UP150 UT155 UP150 UT2400 UT2800 H-PCP-J H-PCP-J, H-PCP-B Z-T10, Z-DIO	(2-wire type) (2-wire type) *1 (2-wire type) (4-wire type)		
RKC	GREEN series UT100 series UT2000 series SR Mini HG series SRZ series CB series (to MODBUS)*	DMC10 UT320/321 UT350/351 UT420 UT450 UT450 UT520 UT550/551 UT750 UP350/351 UP550 UP750 UM330/331 UM350/351 US1000 UT130 UT150 UT155 UT155 UT155 UT155 UT165 UT165 UT167 UT167 UT17 UT167 UT17 UT17 UT17 UT17 UT17 UT17 UT17 UT1	(2-wire type) 4-wire type) (2-wire type) (4-wire type) (4-wire type) (2-wire type)**	O O*5	O *2
	GREEN series UT100 series UT2000 series SR Mini HG series SRZ series	DMC10 UT320/321 UT350/351 UT420 UT450 UT450 UT520 UT550/551 UT750 UP350/351 UP750 UP750 UM330/331 UM330/331 UM350/351 US1000 UT130 UT152 UT155 UT152 UT155 UT152 UT155 UP150 UT2400 UT2800 H-PCP-J H-PCP-A, H-PCP-B Z-TIO, Z-DIO CB100/400/500 CB700/900	(2-wire type) 4-wire type) (2-wire type) (4-wire type) (2-wire type) (2-wire type) (2-wire type) (2-wire type) (2-wire type)	0	· · ·
RKC	GREEN series UT100 series UT2000 series SR Mini HG series SRZ series CB series (to MODBUS® communication specification)	DMC10 UT320/321 UT350/351 UT420 UT450 UT450 UT550/551 UT750 UP350/351 UP750 UP750 UP750 UM330/331 UM350/351 US1000 UT130 UT150 UT2400 UT2800 H-PCP-J H-PCP-A, H-PCP-B Z-TIO, Z-DIO CB100/400/500 CB700/900 FB100	(2-wire type) 4-wire type) (2-wire type) (4-wire type) (2-wire type)*** (2-wire type)***	○ ○*5 ×	0 0 #2 0 #2
RKC	GREEN series UT100 series UT2000 series SR Mini HG series SRZ series CB series (to MODBUS)*	DMC10 UT320/321 UT350/351 UT420 UT450 UT450 UT520 UT550/551 UT750 UP350/351 UP750 UP750 UM330/331 UM330/331 UM350/351 US1000 UT130 UT152 UT155 UT152 UT155 UT152 UT155 UP150 UT2400 UT2800 H-PCP-J H-PCP-A, H-PCP-B Z-TIO, Z-DIO CB100/400/500 CB700/900	(2-wire type) 4-wire type) (2-wire type) (4-wire type) (2-wire type) (2-wire type) (2-wire type) (2-wire type) (2-wire type)	O O*5	O *2

- \$1 : Supported by GT16 and GT15 only. Not supported by the GT16 Handy.
 GT16: Use GF15-22485 interface or GT15-F854-T6. GT1-5-F834-T6. GT1-5-F834-T6.
 GT16: Use GT15-F834-T6. GT1-5-F834-9S is not applicable.
 GT16: Use GT15-F834-T6. GT1-5-F834-9S is not applicable.
 83 : If the temperature controllerindicating controller is designed for F8-458, use the F8-232/F8-435 converter supplied by the manufacturer.
 83 : If the temperature controllerindicating controller is designed for F8-420, use the F8-232/F8-420 converter supplied by the manufacturer.
 84 : Only inclinating controllers with F8-232 serial communication function can be connected.
 85 : Use a communication extension module (Z-COM).
 86 : Use a communication extension module (Z-COM) depending on the temperature controller system configuration.
 87 : Select a model name that supports the MODBUS® communication function.

- \$\sigma\$: Asplicable GOT varies depending on the connection destination.
 GT16:— When connected via RS-222, RS-422485 or Ehemet: All models (Use the built-in interface of the GOT main unit.)
 GT16:— When connected via RS-232 is a special property of the connection and network connection are enabled by mounting a communication unit on the GOT main unit.)
 GT15:— When connected via RS-232 is a limited of the connection and network connection are enabled by mounting a communication unit on the GOT main unit.)
 GT11:— When connected via RS-232 or RS-422: GT115:— GBD, GT115:— GBD and the connected via RS-232 or RS-422: GT115:— GBD, GT115:— GBD and the connected via RS-232 or RS-422: GT115:— GBD, GT115:— GBD, GT104:— GBD, GT1030-LD2/LDW2, GT106:— GT106:— GT106:— GBD, GT106:— GT106

The GOT1000 series allows connection to Mitsubishi PLCs and a variety of other FA devices.

[PLCs/motion controllers]

Mitsubishi PLCs and motion controllers

■GT SoftGOT1000 Connectable Device List

Mitsubishi PLO	s and motio	n con	itroii	ers	nnection co	nfiguration		
Series	Model name	CPU c	direct	Computer	MELSECNET/		CC-Link IF	Etherne
	Q00JCPU	Comine	Ction	IIIIK		10	IL.	
	Q00CPU#3 Q01CPU#3	USB						
	Q02CPU*3 Q02HCPU*3	connectio	ın					
MELSEC-Q series (Q mode)	Q06HCPU *3 Q12HCPU *3	1	0	0	O * 5	O * 5	0	0
(Q mode)	Q25HCPU *3							
	Q02PHCPU Q06PHCPU	0						
	Q12PHCPU							
Redundant system	Q25PHCPU Q12PRHCPU			×	O*5 *6 *12	O*5*6	0	
(main base) Redundant system	Q25PRHCPU Q12PRHCPU	1			04040412	0***		0
(extension base)	Q25PRHCPU	×	×	0	×	×	×	0
	Q00UJCPU Q00UCPU							
	Q01UCPU Q02UCPU	1						
	Q03UDCPU							
	Q04UDHCPU Q06UDHCPU		0	0	0	0	0	0
	Q10UDHCPU Q13UDHCPU	1						
	Q20UDHCPU							
	Q26UDHCPU Q03UDECPU	\vdash						
	Q04UDEHCPU	1						
	Q06UDEHCPU Q10UDEHCPU	1						
	Q13UDEHCPU Q20UDEHCPU	0	×	0	0	0	0	0
	Q26UDEHCPU							
	Q50UDEHCPU Q100UDEHCPU	1						
MELSEC-QS series	QS001CPU Q02CPU-A	0	X	X	0	0	0	0
MELSEC-Q series (A mode)	Q02HCPU-A Q06HCPU-A	C)	0	×	0	×	0
-	L02CPU	0	O#14			V		
MELSEC-L series	L26CPU-BT WS0-CPU0		0.14	0	×	×	×	0
MELSEC-WS series	WS0-CPU1	×		×	×	×	×	×
C controller	Q12DCCPU-V Q2ACPU (-S1)	×		×	×	×	×	×
MELSEC-QnA series	Q3ACPU Q4ACPU	-		O*4	×	0	×	O*4
(QnACPU type)	Q4ARCPU							
MELSEC-QnA series	Q2ASCPU (-S1) Q2ASHCPU		,	O*4	×	0	×	O*4
(QnASCPU type)	Q2ASHCPU-S1 A2UCPU (-S1)				^`	Ŭ	- ^ -	
	A3UCPU							
	A4UCPU A2ACPU (-S1)	ł						
	A2ACPUP21 (-S1) A2ACPUR21 (-S1)	1						
	A3ACPU							
MELSEC-A series	A3ACPUP21 A3ACPUR21		○* 7	0	×	0	×	0
(AnCPU type)*10	A1NCPU A1NCPUP21	1						"
	A1NCPUR21							
	A2NCPU (-S1) A2NCPUP21 (-S1)	-						
	A2NCPUR21 (-S1)							
	A3NCPU A3NCPUP21	1						
	A3NCPUR21 A2USCPU (-S1)	_						
	A2USHCPU-S1							
	A1SCPUC24-R2	ł						
MELSEC-A series (AnSCPU type)*10	A1SHCPU A2SCPU (-S1)	C) *7	0	×	0	×	0
	A2SHCPU (-S1)							
	A1SJCPU (-S3) A1SJHCPU	ł						
	A0J2HCPU A0J2HCPUP21							
	A0J2HCPUR21	C) *7	0	×	×	×	0
MELSEC-A	A0J2HCPU-DC24 A2CCPU	\vdash						
MELSEC-A series ^{#10}	A2CCPUP21 A2CCPUR21	C	* 7	×	×	×	×	×
	A2CCPUC24) *7	0	×	×	×	×
	A2CCPUC24-PRF A2CJCPU-S3	_) *7	×	×	×	×	X
	A1FXCPU Q172CPU (N)	Č)	X	×	X	×	X
	Q173CPU (N)	1						
Motion controller CPU	Q172HCPU Q173HCPU	×		×	×	×	×	×
(Q series)	Q172DCPU (-S1) Q173DCPU (-S1)	USB connectio	ın					
	Q170MCPU *13		0	0	0	0	0	0
Motion controller CPU	A273UCPU A273UHCPU (-S3)	×) *8	X	×	ŏ	×	X
(A series/large type)	A373UCPU (-S3)	×		×	X	×	X	×
Motion	A171SCPU (-S3) A171SCPU-S3N	×		×	×	×	×	×
controller CPU*10 (A series/small type)	A171SHCPU (N) A172SHCPU (N)	_) *8	0	×	0	×	0
,	A173UHCPU (-S1)	<u> </u>	_		- `			Ľ
	FX0S FX0N	1						
	FX1S FX1N	1						
MELSEC-FX	FX1NC	0		×	×	×	×	×
series	FX2N FX2NC	1		'				
	FX3G FX3U	-						
	FX3UC	ļ						0
MELSECNET/H	QJ72LP25-25 QJ72LP25G	×	0	×	×	×	×	×
remote I/O station CC-Link IE field	QJ72BR15	\vdash						
network head unit	LJ72GF15-T2	0	×	0	×	×	×	×

Modules usable when connected with Mitsubishi PLCs ■ For computer link connection*

CPU series	Serial communication module/computer link module
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)
MFLSEC-OnA series	AJ71QC24(-R2)/AJ71QC24N(-R2)/
MELSEC-QUA Selles	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 Q80BD-J71LP21G (optical loop)

■ For CC-Link IE controller 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 Ethernet connection

CPU series	Ethernet module
MELSEC-Q series (Q mode)/MELSEC-QS series	QJ71E71-100/QJ71E71-B5/QJ71E71-B2/QJ71E71
MELSEC-QnA series	AJ71QE71N3-T/AJ71QE71N-B5/AJ71QE71N-B2/AJ71QE71N-T/ AJ71QE71N-B5T/AJ71QE71/AJ71QE71-B5/A1SJ71QE71N3-T/ A1SJ71QE71N-B5/A1SJ71QE71N-B2/A1SJ71QE71N-T/ A1SJ71QE71N-B5/A1SJ71QE71-B5/A1SJ71QE71-B2
MELSEC-Q series (A mode)/ MELSEC-A series/ Motion controller CPU (A series)*	AJ71E71N3-T/AJ71E71N-B5/AJ71E71N-B2/AJ71E71N-T/ AJ71E71N-B5T/AJ71E71-S3/A1SJ71E71N3-T/A1SJ71E71N-B5/ A1SJ71E71N-B2/A1SJ71E71N-T/A1SJ71E71N-B5T/ A1SJ71E71-B5-S3/A1SJ71E71-B2-S3
MELSEC-EX series	FX311-FNFT-I

: Only the device ranges within AnACPU specifications are supported.

Third party PLCs

Manufacturer		Model name		tion configuration		
manu	racturer	Model name	CPU direct connection (RS-232)	Computer link (RS-232)	Ethern	
	Micro PLC	CPM2A	0		_	
		C200HX				
		C200HG	1 1		1	
		CQM1	1		_	
		CQM1H	1 1		1	
	Small-size	CS1H	1 I			
	PLC	CS1G	1 0 1	_		
OMRON	PLC	CS1D	1 1			
		CJ1H	1 1			
		CJ1G	1			
		CJ1M	1 1			
		CJ2H	1			
		CV500				
	Large-size	CV1000				
	PLC	CV2000	1 '	_	_	
PLC		CVM1				
		GL120	0	×		
		GL130	1 ~ 1	^		
		GL60S			1	
		GL60H] × [0	×	
		GL70H				
		CP-9200SH	×	0		
Yaskawa E	loctric	CP-9300MS		×		
raskawa L	LIBOURIO	MP920] [0		
		MP930				
		MP940] ~ [×	×	
		PROGIC-8]			
		CP-9200 (H)				
		MP2200	×	0	0	
		MP2300	^`			
		F3SP05				
		F3SP08	ļ l			
		F3FP36				
		F3SP21				
		F3SP25	, I			
		F3SP35			I .	
Yokogawa	Electric	F3SP28	1 - 1	_		
		F3SP38	1			
		F3SP53				
		F3SP58			1	
		F3SP59	1		1	
		F3SP66	1		1	
		F3SP67	1		1	

Modules usable when connected with PLCs made by OMRON Corporation— ■ For Ethernet connection

	Etnernet unit	GSTW-ETN2T, GSTD-ETN2TD, GSTW-ETN2T						
I	Modules usable when connected with PLCs made by Yaskawa Electric Corporation —							
	■ For computer link connection							

JAMSC-IF60, JAMSC-IF61, CP-217IF, 217IF-01, 217IF, 218IF-01 MEMOBUS module/communication module

■ For Ethernet connection

Modules usable when connected with PLCs made by Yokogawa Electric Corporation For Ethernet connection

Ethernet interface module F3LE01-5T, F3LE11-0T, F3LE12-0T

[CNCs] Mitsubishi CNCs

Ethernet
Ellielliel
O*9

Usable units when connected to MELDAS C6/C64 ■ For Ethernet connection

	GPU Series	Ethernet module
	MELDAS C6/C64	FCU6-EX875
ſΒ	obot] Mitsubishi Industrial Robot	is

	Connection configuration								
Controller name	CPU direct connection	Computer link	MELSECNET/ H*1	MELSECNET/ 10*2	CC-Link IE	Ethernet			
CRnQ-700	O*11	0	0	0	0	0			
CRnD-700	×	×	X	X	×	0			

- #1: Connection configuration for network type MELSECNET/H mode and MELSECNET/H extension mode (PC-to-PC net).

 #2: Connection configuration for network type MELSECNET/10 mode (PC-to-PC net).

 #3: For multi-CPU configuration, use the CPU function version B or later.

 #4: When using a computer link module for A series or an Ethernet module with OnACPU, GT SoftGOT1000 cannot monitor the module.
- : Use the PLC CPU and MELSECNET/H network module function version B or later
- 35 : Use the PLC CPU and MELSECNET/H network module function version B or later.
 36 : Use the driver (SW0DNC-MNETH-B) of version K or later for the MELSECNET/H board.
 37 : Only the following software version or later can be used to write data to the AnNCPU(S1), A2SCPU, A0J2HCPU and A2CCPU. Earlier versions cannot be used.
 ANNCPU(S1): Version I to relater for a CPU with link, and version H or later for a CPU without link
 A2SCPU. Version H or later A0J2HCPU: Version E or later
 A0J2HCPU-DC24: Version B or later A2CCPU. Version H or later
 38 : When connected with GT Soft(COT1000) the CPUs cannot be connected simultaneously with other MELSOFT products (GX Developer, etc.).
 39 : Uses MELDAS CG:CGs of the following NC system software version.
- 198 : Use MELDAS Col/C94 of the following NC system software version.
 NC system software version Do or later must be used for the A2SCPU, A2SHCPU, A1SHCPU, A1SHCPU, A1SHCPU, A02HCPU, A17SHCPU and A172SHCPU computer link connection.
 A02HCPU, A17SHCPU and A172SHCPU computer link connection.
 A02HCPU, A17SHCPU, GRMC-700 must for A02HCPU) cannot be used.
 \$11.Accessing 0173NCCPU, CRMC-700 must be performed via USB or RS-232 of QCPU in the multi-CPU system.
 \$12.MELSECNET/H 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.

- : Only user alarms can be used.
- : To use 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).
- *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

^{*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 models, 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 67).

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 67).

*4 : For details, see "GT10" (page 36), "Handy GOT" (page 12) and "GT SoftGOT1000" (page 14).

^{*5 :} The RS-232 interface can be used as an RS-422 interface by connecting an RS-422 conversion unit

^{*6 :} Structural restrictions are applied.

- *6 : Structural restrictions are applied. : Only user alarms can be used

^{*2 :} An optional function board may be required depending on the models, 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 67).

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"

[:] For details, see "GT10" (page 36), "Handy GOT" (page 12) and "GT SoftGOT1000" (page 14).

^{*5 :} The RS-232 interface can be used as an RS-422 interface by connecting an RS-422 conversion unit

To use 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). : 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.

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		model 9 5 M		me XTBA									
	Code	Screen size	Cod	e Display colors	Code	Mounting type	Code	Resolution	Code	Display device	Code	Power supply	Code Communication interface
	9	15"	5	256 colors or more		Compatible wirh video/RGB	X	XGA		TFT color		100 to 240VAC	
	8	12.1"	2	16 colors		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		(800 × 600 dots)	N	TFT color			QnA/ACPU/motion controller CPU (A series)
	5_	5.7"				multimedia & Video/RGB	V	VGA	S	STN color			2*2 With built-in RS-232
	4	4.7"						(640 × 480 dots)	В	STN monochrome			None*2 With built-in RS-422
	3	4.5"					Q	QVGA		(blue/white)			*1 : GT115 QBDQ and
	2	3.7"						(320 × 240 dots)	L	STN monochrome			GT115 QBDA only
							None	(288 × 96 dots)					,
GT16	A vari	iety of commu	unicati	on and function fe	eatures,	including Ethernet	140116	(160 × 64 dots)			unit frame		T10 backlight
GT15	A wid	le range of ap	plicati	ons from network	ing to s	tandalone use					Black		/hite backlight
GT11	Stand	dard model wi	th bas	ic functions for st	andalor	ne use				W	White	None G	reen backlight
GT10	Packe	ed with the fu	nction	ality necessary fo	r a HMI					* For ing	uiries relat	ing to products y	which conform to UL, cUL, and CE

*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

	Mod	del name	Screen size [resolution]	Display	Display colors (number of colors)	Power supply	Memory size	Remarks
	GT1695	GT1695M-XTBA	15" XGA	TFT color LCD	65,536 colors	100-240VAC 24VDC	15MB	Compatible with
		GT1695M-XTBD	[1024 × 768 dots] 12.1" SVGA	(high brightness, wide viewing angle)		100-240VAC		multimedia & Video/RGB
	GT1685	GT1685M-STBA		TFT color LCD	65,536 colors	24VDC	15MB	Compatible with
		GT1685M-STBD	[800 × 600 dots]	(high brightness, wide viewing angle)				multimedia & Video/RGB
		GT1675M-STBA	10.4" SVGA	TFT color LCD	65,536 colors	100-240VAC 24VDC	15MB	Compatible with
		GT1675M-STBD	[800 × 600 dots]	(high brightness, wide viewing angle)				multimedia & Video/RGB
		GT1675M-VTBA		TFT color LCD	65,536 colors	100-240VAC	15MB	Compatible with
	GT167	GT1675M-VTBD	40.4".\(\O_A	(high brightness, wide viewing angle)		24VDC		multimedia & Video/RGB
OT40		GT1675-VNBA NEW	10.4" VGA	TFT color LCD	4,096 colors	100-240VAC	11MB	_
GT16		GT1675-VNBD WEW	[640 × 480 dots]			24VDC		
		GT1672-VNBA		TFT color LCD	16 colors	100-240VAC	11MB	_
		GT1672-VNBD NEW				24VDC		
		GT1665M-STBA	8.4" SVGA	TFT color LCD	65,536 colors	100-240VAC	15MB	Compatible with
		GT1665M-STBD	[800 × 600 dots]	(high brightness, wide viewing angle)		24VDC	-	multimedia & Video/RGB
	GT166□	GT1665M-VTBA		TFT color LCD	65,536 colors	100-240VAC	15MB	Compatible with
		GT1665M-VTBD	8.4" VGA	(high brightness, wide viewing angle)		24VDC		multimedia & Video/RGB
		GT1662-VNBA (1640 × 480 dots) TFT color LCD 16 colors		16 colors	100-240VAC	11MB	_	
		GT1662-VNBD NEW				24VDC		
	Handy GOT	GT1665HS-VTBD Coming soon	6.5" VGA [640 × 480 dots]	TFT color LCD (high brightness, wide viewing angle)	65,536 colors	24VDC	15MB	
	GT1595	GT1595-XTBA	15" XGA	TFT color LCD	65,536 colors	100-240VAC	9MB	_
		GT1595-XTBD	[1024 × 768 dots]	(high brightness, wide viewing angle)		24VDC		
		GT1585V-STBA		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	00,000 001013	100-240VAC	J	_
		GT1585-STBD		(high brightness, wide viewing angle)		24VDC		
		GT1575V-STBA		TFT color LCD		100-240VAC		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	00,000 001013	100-240VAC		
		GT1575-STBD		(high brightness, wide viewing angle)		24VDC		
	GT157	GT1575-VTBA		TFT color LCD	65,536 colors	100-240VAC	9MB	
GT15	a 1 107	GT1575-VTBD		(high brightness, wide viewing angle)	00,000 001013	24VDC	05	_
		GT1575-VNBA	10.4" VGA	TFT color LCD	256 colors	100-240VAC	5MB	
		GT1575-VNBD	[640 × 480 dots]	TI I COIOI EOD		24VDC	05	
		GT1572-VNBA		TFT color LCD	16 colors	100-240VAC	5MB	
		GT1572-VNBD			10 00.010	24VDC	05	
		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	[0-0.1.2.0.00]	STN monochrome LCD	Monochrome (black/white) 16 gray scales			
		GT1155-QTBD						
		GT1155-QTBDQ		TFT color LCD				Dedicated to Q bus connection
	GT1155	GT1155-QTBDA			256 colors			Dedicated to A bus connection
		GT1155-QSBD						<u>-</u>
		GT1155-QSBDQ	5.7" QVGA	STN color LCD				Dedicated to Q bus connection
GT11		GT1155-QSBDA	[320 × 240 dots]			24VDC	3MB	Dedicated to A bus connection
		GT1150-QLBD	[020 × 240 doto]		Monochrome (black/white)			
	GT1150	GT1150-QLBDQ		STN monochrome LCD	16 gray scales			Dedicated to Q bus connection
		GT1150-QLBDA						Dedicated to A bus connection
	Handy	=)		STN color LCD	256 colors			_
	GOT	GT1150HS-QLBD		STN monochrome LCD	Monochrome (black/white) 16 gray scales			
	GT105	GT1055-QSBD	5.7" QVGA	STN color LCD	256 colors	24VDC	3MB	_
GT10		GT1050-QBBD	[320 × 240 dots]	STN monochrome LCD	Monochrome (blue/white) 16 gray scales		O.V.D	
۵	GT104	GT1045-QSBD	4.7" QVGA	STN color LCD	256 colors	24VDC	змв	_
	3	GT1040-QBBD	[320 × 240 dots]	STN monochrome LCD	Monochrome (blue/white) 16 gray scales		31415	

GOT main units

	Mod	el name	Screen size [resolution]	Display			y colors of colors)	Power supply	Memory size	Remarks
		GT1030-LBD			Frame color		3-color LED	24VDC		Dedicated to RS-422 connection
		GT1030-LBD2	4.5" [288 × 96 dots] STN mo		Monochrome		24100		Dedicated to RS-232 connection	
		GT1030-LBL		STN monochrome LCD		(green, orange, red)	5VDC	1.5MB	Dedicated to RS-422FX connection	
		GT1030-LBDW		3114 IIIOIIOCIIIOIIIE ECD	Black	(black/white)	3-color LED	24VDC	1.5IVID	Dedicated to RS-422 connection
		GT1030-LBDW2		7			(white, pink, red)	_		Dedicated to RS-232 connection
	GT1030	GT1030-LBLW					(writte, pirik, reu)	5VDC		Dedicated to RS-422FX connection
	G11030	GT1030-LWD					3-color LED	24VDC		Dedicated to RS-422 connection
		GT1030-LWD2		STN monochrome LCD				24VDC		Dedicated to RS-232 connection
		GT1030-LWL	4.5" [288 × 96 dots]		White	Monochrome	(green, orange, red)	5VDC	24VDC	Dedicated to RS-422FX connection
		GT1030-LWDW			VVIIILE	(black/white)	3-color LED	24VDC		Dedicated to RS-422 connection
		GT1030-LWDW2					(white nink red)	24100		Dedicated to RS-232 connection
GT10		GT1030-LWLW					(writte, pirik, reu)	5VDC		Dedicated to RS-422FX connection
GIIU		GT1020-LBD					3-color LED	24VDC		Dedicated to RS-422 connection
		GT1020-LBD2					24100		Dedicated to RS-232 connection	
		GT1020-LBL	3.7"	STN monochrome LCD	Black	Monochrome	e (green, orange, red)	5VDC	512KB	Dedicated to RS-422FX connection
		GT1020-LBDW	[160 64 dots]	OTTA IIIOIIOCIIIOIIIE EOD		(black/white)	3-color LED	24VDC	JIZND	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
	011020	GT1020-LWD					3-color LED	24VDC		Dedicated to RS-422 connection
		GT1020-LWD2					l	24100		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		3114 IIIOIIOCIIIOIIIE ECD	VVIIILE	l (black/white) l	2 color I ED	24VDC	JIZND	Dedicated to RS-422 connection
		GT1020-LWDW2					3-color LED			
		GT1020-LWLW					(white, pink, red)	5VDC		Dedicated to RS-422FX connection

Communication interface

Due de et mane	Madel neme	Considerations			Appl	icable r	nodel	
Product name	Model name	Specifications		GT16	GT15	GT11	Handy GOT	GT10
	GT15-QBUS	Bus connection (1ch) unit standard model for QCPU (Q mode)/motion controller CPU (Q series)		•	•	-	_	_
	GT15-QBUS2	Bus connection (2ch) unit standard model for QCPU (Q mode)/motion controller CPU (Q series)		•	•	-	_	_
	GT15-ABUS	Bus connection (1ch) unit standard model for QnA/ACPU/motion controller CPU (A series)		•	•	-	_	_
Bus connection unit	GT15-ABUS2	Bus connection (2ch) unit standard model for QnA/ACPU/motion controller CPU (A series)	•	•	_	_	_	
Bus connection unit	GT15-75QBUSL	Bus connection (1ch) unit thin model*1 for QCPU (Q mode)/motion controller CPU (Q series)		•	•	_	_	_
	GT15-75QBUS2L	Bus connection (2ch) unit thin model*1 for QCPU (Q mode)/motion controller CPU (Q series)		•	•	_	_	_
	GT15-75ABUSL	Bus connection (1ch) unit thin model*1 for QnA/ACPU/motion controller CPU (A series)	•	•	-	_	_	
	GT15-75ABUS2L	Bus connection (2ch) unit thin model*1 for QnA/ACPU/motion controller CPU (A series)		•	•	-	_	_
	GT15-RS2-9P	RS-232 serial communication unit (D-sub 9-pin (male))				-	_	_
Serial communication unit	GT15-RS4-9S	RS-422/485 serial communication unit (D-sub 9-pin (fema	ale))*2 *3			-	_	_
Serial communication unit	GT15-RS4-TE	RS-422/485 serial communication unit (terminal block)*2 * Usable only when connecting to temperature controllers/indicating controllers vi	a RS-485 or in GOT multi-drop connection	•	•	-	_	_
RS-422 conversion unit	GT15-RS2T4-9P	BS-232→BS-422 conversion unit	RS-422 connector: 9-pin		*4	-	_	_
113-422 CONVENSION UNIT	GT15-RS2T4-25P	110-232-7110-422 conversion unit	RS-422 connector: 25-pin		*4	_	_	_
MELSECNET/H	GT15-J71LP23-25	Optical loop unit				_	_	_
communication unit	GT15-J71BR13	Coaxial bus unit				-	_	_
CC-Link IE controller network communication unit	GT15-J71GP23-SX	Optical loop 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
Connector conversion adapter	GT10-9PT5S	Conversion connector between D sub 9-pin male and Eur	rope terminal block 5-pin	_	_	* 5	-	* 5
CC-Link interface unit	GT11HS-CCL	- CC-Link interface unit for Handy GOT		-	_	_	•	_
CO LINK INCOMOG UNIT	GT11H-CCL	CO Emiliando unilidor Handy GOT		_	-	_		_

*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 54).

*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.

For the instructions for connection of GT16/GT15, please contact your local sales office.

Optional units

Product name	Model name	Cussifications	Applicable model						
Product name	Model name	Specifications	GT16	GT15	GT11	Handy GOT	GT10		
Printer unit	GT15-PRN	USB slave (PictBridge) for printer connection, 1ch							
Printer unit	G115-PHN	* 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	_	_	_		
DCD innut unit	GT16M-R2	For analog RGB input 2ch	*2	_	_	_	_		
RGB input unit	GT15V-75R1	For analog RGB input 1ch	_	*3	-	_	_		
Video/RGB input unit	GT16M-V4R1	For video input (NTSC/PAL) 4ch / analog RGB 1ch composite input	*2	_	_	_	_		
Video/NGB iliput ullit	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	•	•	_	_	_		
Eutomol innut/autout unit	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, unit to be installed on the GOT, and connection cable (0.8m).

*2: Excluding GT16___-VNB__.

*3: Only GT1585V and GT1575V are applicable.

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Software		
Product name	Model name	Contents
GT Works3 Version1	SW1DNC-GTWK3-E	Single license <english version=""></english>
ar works version	SW1DNC-GTWK3-EA	Multiple-license <english version=""></english>
License key for GT SoftGOT1000*1	GT15-SGTKEY-U	For USB port
License key for a 1 Solido 1 1000*1	GT15-SGTKEY-P	For parallel port
Personal computer remote operation	GT16-PCRAKEY	1 license
function (Ethernet) license*2	GT10-FCHARET	Tilicerise

*1: To use GT SoftGOT1000, a license key for GT SoftGOT1000 is necessary for each personal computer.
*2: 1 license is required for 1 GOT unit.

Options

Options								
Product name	Model name	Spe	ecifications			licable n		
				GT16	GT15	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	•	_	_	_	
	GT16-70VLTN NEW		For GT1675-VNB /GT1672-VNB	•	_	_	_	
		-	For GT1665M-STB		-			
	GT16-60SLTT			_				
	GT16-60VLTT		For GT1665M-VTB	•	_	_	_	
Backlight	GT16-60VLTN NEW	Backlight	For GT1662-VNB		- '	_	-	-
	GT15-90XLTT		For GT1595-XTB	_		_	_	_
	GT15-80SLTT		For GT1585V-STB /GT1585-STB	_	•	_	_	T-
	GT15-70SLTT		For GT1575-STB *1		•	_		 _
	GT15-70VLTT	-		-		_	_	-
			For GT1575V-STB_/GT1575-VTB_/GT1575-STB_*2		-			
	GT15-70VLTN		For GT1575-VNB /GT1572-VNB	_	•	_	_	
	GT15-60VLTT		For GT1565-VTB	_		_	_	
	GT15-60VLTN		For GT1562-VNB	-		_	-	-
	GT16-MESB		For MES interface function	•	_	_	_	
	GT15-FNB	Optional function board	(No expansion memory)					
	GT15-QFNB	1 '		-	•		_	 -
		* The required optional function board	(No expansion memory)		-	_		 _
Optional function board	GT15-QFNB16M	varies depending on the GOT main unit	+ 16MB expansion memory		•			
optional fortotton board	GT15-QFNB32M	and function.	+ 32MB expansion memory			_	_	
	GT15-QFNB48M	For the details, see "Notes for use"	+ 48MB expansion memory	_		_	_	_
	GT15-MESB48M	(page 69).	+ 48MB expansion memory	_	•	_	_	T-
	GT11-50FNB	1	-		_	*3	*10	 -
GT10 memory loader	GT10-LDR	For GT1030/GT1030 /for OS project	data transfer) no power source required			-	- *10	* 7
GT10 memory board	GT10-50FMB	For GT105 /GT104 (for OS and		-	-	_	-	● *8
	GT16-90PSCB		Clear, 5 sheets	•			_	
	GT16-90PSGB		Anti-glare, 5 sheets	•	_	_	_	
	GT16-90PSCW	1	Clear (frame: white), 5 sheets	•	-	_	_	T-
	GT16-90PSGW		Anti-glare (frame: white), 5 sheets	•	_	_		
		Protective sheet for 15" screen		_	•		_	
	GT15-90PSCB		Clear, 5 sheets		_			
	GT15-90PSGB		Anti-glare, 5 sheets		•	_	_	
	GT15-90PSCW		Clear (frame: white), 5 sheets	-		_	-	-
	GT15-90PSGW		Anti-glare (frame: white), 5 sheets			_	_	Γ-
	GT16-80PSCB		Clear, 5 sheets	•	_	_	_	T-
	GT16-80PSGB		Anti-glare, 5 sheets	•	_	_	_	
			-	_				
	GT16-80PSCW		Clear (frame: white), 5 sheets	•	_	_	-	
	GT16-80PSGW	Protective sheet for 12.1" screen	Anti-glare (frame: white), 5 sheets		_	_	_	
	GT15-80PSCB	Trotodive sheet for 12.1 sereen	Clear, 5 sheets	-		_	-	-
	GT15-80PSGB		Anti-glare, 5 sheets	_	•	_	_	Γ-
	GT15-80PSCW		Clear (frame: white), 5 sheets	_		_		
	GT15-80PSGW		Anti-glare (frame: white), 5 sheets		•			 -
				•	_	_		
	GT16-70PSCB		Clear, 5 sheets	_				
	GT16-70PSGB		Anti-glare, 5 sheets		_	_	_	
	GT16-70PSCW		Clear (frame: white), 5 sheets		_	_	_	_
	GT16-70PSGW	Duntantina ali ant for 40 41 anno a	Anti-glare (frame: white), 5 sheets		_	_	_	
	GT15-70PSCB	Protective sheet for 10.4" screen	Clear, 5 sheets	_	•	_	_	
	GT15-70PSGB		Anti-glare, 5 sheets		•			
		-	0 1					
	GT15-70PSCW	-	Clear (frame: white), 5 sheets		•		_	<u> </u>
	GT15-70PSGW		Anti-glare (frame: white), 5 sheets		•			<u> </u>
Protoctive sheet	GT16-60PSCB		Clear, 5 sheets		_	_	_	
Protective sheet	GT16-60PSGB		Anti-glare, 5 sheets	•	-	-	-	—
	GT16-60PSCW	1	Clear (frame: white), 5 sheets	•	-	_	_	 -
	GT16-60PSGW	1	Anti-glare (frame: white), 5 sheets		_	_		
		Protective sheet for 8.4" screen		_				
	GT15-60PSCB	1	Clear, 5 sheets		•		-	
	GT15-60PSGB		Anti-glare, 5 sheets		•			
	GT15-60PSCW		Clear (frame: white), 5 sheets	_		_	_	_
	GT15-60PSGW		Anti-glare (frame: white), 5 sheets	_	•	_	_	-
	GT16H-60PSC Coming soon	Protective sheet for 6.5" screen (for Handy GOT)	Clear, 5 sheets	_	_	_	*11	<u> </u>
	GT15-50PSCB		Clear, 5 sheets	_	•	_	-	 -
		Dustantina alanat (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		-	•	_	T-
	GT11-50PSGB	Protective sheet for 5.7" screen	Anti-glare, 5 sheets	-	—	•	_	 -
		1	Clear (frame: white), 5 sheets		H			 _
	GT11-50PSCW	(for GT11)				•		_
	GT11-50PSGW		Anti-glare (frame: white), 5 sheets	_	_		_	
	GT11H-50PSC	Protective sheet for 5.7" screen (for Handy GOT)	Clear, 5 sheets	_	-	_	*10	-
	GT10-50PSCB		Clear, 5 sheets	_	-	_	-	•
	GT10-50PSGB	Protective sheet for 5.7" screen	Anti-glare, 5 sheets	_	_	_	_	•
	GT10-50PSCW	(for GT105)	Clear (frame: white), 5 sheets	_	_	_	_	
	- G I IU-3UF 3UVV	(101 01 100)	7:		_	_	_	
			Anti-glare (frame: white), 5 sheets	-	-	_	_	
	GT10-50PSGW			_			_	
			Clear, 5 sheets	_	_	_	_	
	GT10-50PSGW	Protective sheet for 4.7" screen		-	_	_	-	•
	GT10-50PSGW GT10-40PSCB GT10-40PSGB		Clear, 5 sheets Anti-glare, 5 sheets		_ 	_ _ _	_ _ _	•
	GT10-50PSGW GT10-40PSCB	Protective sheet for 4.7" screen (for GT104_)	Clear, 5 sheets	_				

Options

Product name	Model name		Spe				0740		licable m		100.0
				T at = 1			GT16	GT15	GT11	Handy GOT	GT1
	GT10-30PSCB			Clear, 5 she						-	
	GT10-30PSGB	Protective sheet f	for 4.5" screen	Anti-glare, 5					_	-	•
	GT10-30PSCW	(for GT1030)		Clear (frame: white), 5 sheets			_	_	_	_	•
Protective sheet	GT10-30PSGW			Anti-glare (fi	rame: white), 5	sheets	_	_	_	_	
Frotective sneet	GT10-20PSCB			Clear, 5 she	ets		_	_	_	_	
	GT10-20PSGB	Protective sheet f	for 3.7" screen	Anti-glare, 5	sheets		_	I -	_	_	•
	GT10-20PSCW	(for GT1020)		Clear (frame	e: white), 5 she	ets		_	_	_	•
	GT10-20PSGW	1` ′			rame: white), 5		_		_	_	
	GT16-UCOV	Protective cover f	for LISB interface	For 15"/12.1			•	_	_	_	
USB protective cover	GT15-UCOV	on main unit front		For 15"/12.1			_	•		_	<u> </u>
DOD protective cover	GT11-50UCOV	(for replacement)		For 5.7"	/10.4 /0.4		_		•	_	+ -
	GT05-90PCO	Oil resistant cove		1 01 3.7					_	_	
	GT05-80PCO		r for 12.1" screen				_	_			+=
							•	•	_		+=
a.,	GT05-70PCO		er for 10.4" screen				•	•			_
Oil resistant cover*5	GT05-60PCO	Oil resistant cove					-	•		_	-
	GT05-50PCO	Oil resistant cover for 5.7" screen							•	_	•
	GT10-30PCO NEW	Oil resistant cover for 4.5" screen						_	_	_	•
	GT10-20PCO NEW	Oil resistant cove	_	_	_	_	•				
Emergency stop switch guard	GT16H-60ESCOV Coming soon	For accidental on	eration prevention	of emergonous	eton ewitch	-	_	_	_	*11	-
Emergency stop switch guard	GT11H-50ESCOV	i oi accidental op	eration prevention	or emergency	Stop SMITCH		_	_	_	*10	-
	GT15-90STAND	Stand for 15" type	9				•	•	_	_	-
	GT15-80STAND	Stand for 12.1" ty						•	_	_	_
Stand	GT15-70STAND	Stand for 10.4"/8.					•	•	_	_	_
	GT05-50STAND	Stand for 5.7" typ						•	•		•
	GT05-MEM-128MC	128MB flash RO								•	-
	GT05-MEM-256MC	256MB flash ROI								•	+=
CF card									•		+
	GT05-MEM-512MC	512MB flash ROI	VI				•	•	•	•	_
	GT05-MEM-1GC	1GB flash ROM					•	•	•	•	_
	GT05-MEM-2GC	2GB flash ROM					•	•			_
	GT05-MEM-4GC	4GB flash ROM						_	_	*11	_
	GT05-MEM-8GC	8GB flash ROM						-	_	*11	-
	GT05-MEM-16GC	16GB flash ROM						_	_	*11	-
Memory card adapter	GT05-MEM-ADPC	CF card→memor	y card (TYPE II) co	onversion ada	pter		•	•	•	•	-
	GT15-70ATT-98		A985GOT *6						_	_	_
		Attachment for	A870GOT-SWS	A8GT-	70GOT-TB	GT167					
	GT15-70ATT-87	10.4" type	A870GOT-TWS		70GOT-SW	→GT157□	•		_	_	_
			A8GT-70GOT-TW		70GOT-SB						
	GT15-60ATT-97		A97 GOT	7,001	70001 00						+-
			A960GOT			-			_	_	_
	GT15-60ATT-96			A7700	T-EL-S5	\dashv			- -	_	-
Attachment	0745 00477 57		A870GOT-EWS			07:00					
	GT15-60ATT-87	Attachment for	A8GT-70GOT-EV		T-EL-S3	GT166□	•	•	-	_	-
		8.4" type	A8GT-70GOT-EB			→GT156□					_
	1		A77GOT-CL-S5		T-L-S5						
	GT15-60ATT-77		A77GOT-CL-S3	A77GC	T-L-S3				_	_	-
			A77GOT-CL	A77GC	T-L						
	GT15-50ATT-95W	Attachment for	A956WGOT			GT155		•	•	-	_
	GT15-50ATT-85	5.7" type	A85 GOT			→ _{GT115}	-		•	-	_
D	GT15-BAT		p of clock data and	d maintenance	time notificat		•	•	_	*11	<u> </u>
Battery	GT11-50BAT		o of clock data, aları				_	_	•	*10	
: Function version B or earlier : Function version C or later : Excluding GT115—-Q—BDQ an		,,		,,							
When using the oil resistant cove is: Including the GP250☐ and GP2 is: Can be used only for GT1030 and is: Can be used only for GT105☐ a	d GT1020.		ed.								
: Can be used only for GT105. O: Can be used only for GT11 Hand 1: Can be used only for GT16 Hand											

Manuals *Manuals are supplied as PDFs with the software package 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
GT11 User's Manual	JY997D17501
GT16 Handy GOT User's Manual (Hardware • Utility, Connection) *A set of two volumes	Coming soon
GT11 Handy GOT User's Manual (Hardware • Utility, Connection) *A set of two volumes	JY997D20101
GT10 User's Manual	JY997D24701

Cables

Р	Product name	Model name	Cable	I hird party products	Application			able m	odel	*2
<u> </u>		model name	length	*1	Application	GT16	GT15	GT11	GOT	GT10
		GT15-QC06B	0.6m							
	QCPU extension cable	GT15-QC12B	1.2m		For connection between QCPU and GOT					
	GOT-to-GOT connection cable	GT15-QC30B	3m	0		•	•		-	_
Bus connection	GOT-to-GOT connection cable	GT15-QC50B	5m	1	For connection between GOT and GOT					
cable for		GT15-QC100B	10m	1						
QCPU (Q mode)	1	GT15-QC150BS	15m							
, ,	Long-distance connection	GT15-QC200BS	20m	1	For long-distance (13.2m or more) connection between					
	cable for QCPU	GT15-QC250BS	25m	10	QCPU and GOT (A9GT-QCNB required)	•			_	_
GOT-to-GOT long-distance		GT15-QC300BS	30m		For long-distance connection between GOT and GOT					
	connection cable		35m	1	To long distance connection between do I and do I					
D		GT15-QC350BS	33111	-	Lload for OCDI Llong distance (12.0m or mars) has connection			•	_	
Bus extension conn	lector box	A9GT-QCNB	-	 -	Used for QCPU long-distance (13.2m or more) bus connection	•	•	-	\vdash	
		GT15-C12NB	1.2m	1	For connection between QnA/ACPU/motion controller CPU					
		GT15-C30NB	3m	0	(A series, extension base) and GOT	•	•	•	-	_
		GT15-C50NB	5m	_				\vdash	\vdash	
		GT15-AC06B	0.6m	4						
	Large CPU	GT15-AC12B	1.2m	-	For connection between QnA/ACPU/motion controller CPU	•	•		_	_
	extension cable	GT15-AC30B	3m	1	(A series, extension base) and A7GT-CNB					
		GT15-AC50B	5m					\sqcup		
		GT15-A370C12B-S1	1.2m	-	For connection between motion controller CPU	•	•		_	_
		GT15-A370C25B-S1	2.5m		(A series, main base) and GOT	_				
		GT15-A370C12B	1.2m		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					
		GT15-A1SC12B	1.2m	0	(A series) and GOT	•	•		-	-
Bus connection		GT15-A1SC30B	3m		(A series) and do i					
cable for	Small CPU extension cable	GT15-A1SC50B	5m	0	For connection between QnAS/AnSCPU and GOT	•	•	•	_	-
QnA/ACPU/motion	Small OF 0 extension cable	GT15-A1SC05NB	0.45m		For connection between QnAS/AnSCPU/motion controller CPU					
controller CPU		GT15-A1SC07NB	0.7m			•	•	•	-	_
(A series)		GT15-A1SC30NB	3m	1	(A series) and A7GT-CNB					
		GT15-A1SC50NB	5m		For connection between QnAS/AnSCPU and A7GT-CNB	•	•	•	_	_
		GT15-C100EXSS-1	10.6m	l –	For long-distance connection between QnAS/AnSCPU/					
	Small CPU long-distance			-	motion controller CPU (A series) and GOT					
	connection cable	GT15-C200EXSS-1	20.6m		For long-distance connection between A7GT-CNB and GOT	•	•	•	-	_
		GT15-C300EXSS-1	30.6m	1	*Set of GT15-EXCNB and GT15-C BS					
		GT15-C07BS	0.7m		Post of a file Extends and a file o_se					
	GOT-to-GOT	GT15-C12BS	1.2m	-						
	connection cable	GT15-C12BS	3m		For connection between GOT and GOT	•	•		-	_
	Connection cable			-						
		GT15-C50BS	5m					\vdash	\vdash	
	GOT-to-GOT long-distance	GT15-C100BS	10m	1	For connection between GOT and GOT	•		•	_	
	connection cable	GT15-C200BS	20m	0	Poi connection between GOT and GOT	_	•		-	_
	40 101 10 101 1	GT15-C300BS	30m	-					\vdash	
	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	21 11 "	GT15-EXCNB	0.5m	0	Usable as GT15-C EXSS-1 in combination with GT15-C BS	•	•	•		_
	Q bus cable (two-pack)	GT15-QFC	_	-	Ferrite cores for replacing existing GOT-A900 bus cable with bus cable for GOT1000	•	•		-	_
Ferrite core set for F	A bus cable (two-pack)	GT15-AFC	_	-	For connection between RS-422/485 (connector) of GT16 and			\vdash	\vdash	
RS-422 conversion	cable	GT16-C02R4-9S	0.2m	0	RS-422 cable (D-sub 9 pins)	•	–	-	-	_
		FA-LTBGTR4CBL05	0.5m	-	RS-485 terminal block conversion unit			\vdash		
DC 405 terminal bl	lock conversion unit			1	*With cable for connection between RS-422/485 (connector) of	l		1 1	_	_
							_			
	iock conversion unit	FA-LTBGTR4CBL10	1m	0		•	_	-		
	Tock Conversion unit	FA-LTBGTR4CBL20	2m		GT16 and RS-485 terminal block conversion unit	•	-	_		
	lock conversion unit	FA-LTBGTR4CBL20 GT01-C30R4-25P	2m 3m		GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU	•	_	_	* 3	
		FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P	2m 3m 10m		GT16 and RS-485 terminal block conversion unit	• •*6	-	-	●#3	**
	QnA/A/FXCPU	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P	2m 3m 10m 20m	-	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		•	•	•*3	**
	QnA/A/FXCPU direct connection cable	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C300R4-25P	2m 3m 10m 20m 30m		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		•	•	•* 3	**
	QnA/A/FXCPU direct connection cable Computer link	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C300R4-25P GT10-C30R4-25P	2m 3m 10m 20m 30m 3m	-	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-64-53 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin		•	•	● *3	**
	QnA/A/FXCPU direct connection cable	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C300R4-25P GT10-C30R4-25P GT10-C100R4-25P	2m 3m 10m 20m 30m 3m 10m	-	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		•	•	•*3 -	•*
	QnA/A/FXCPU direct connection cable Computer link	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C300R4-25P GT10-C30R4-25P GT10-C100R4-25P GT10-C200R4-25P	2m 3m 10m 20m 30m 3m 10m 20m		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 serial communication unit	* 86	•	•	_	•** •*
	QnA/A/FXCPU direct connection cable Computer link	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C300R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P	2m 3m 10m 20m 30m 3m 10m 20m 30m		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	* 86	•	•	_	**
	OnA/A/FXCPU direct connection cable Computer link connection cable	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C300R4-25P GT10-C30R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C300R4-25P GT09-C30R4-6C	2m 3m 10m 20m 30m 3m 10m 20m 30m 3m		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-64-53 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	* 86	•	•	_	•**
	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C300R4-25P GT10-C30R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C300R4-25P GT09-C300R4-6C GT09-C100R4-6C	2m 3m 10m 20m 30m 3m 10m 20m 30m 30m 10m	-	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 Al65BT-G4-S3 and GOT For connection between Al65BT-G4-S3 and GOT For connection between Al65BT-G4-S2 and GOT For connection between Al65BT-G4-S3 and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT	● *6	•	•	-	_
	OnA/A/FXCPU direct connection cable Computer link connection cable	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C200R4-25P GT10-C200R4-25P GT10-C300R4-25P GT09-C30R4-6C GT09-C100R4-6C GT09-C200R4-6C	2m 3m 10m 20m 30m 3m 10m 20m 30m 30m 20m 30m		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-64-53 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	* 86	•	•	-	***
	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C300R4-25P GT09-C300R4-6C GT09-C100R4-6C GT09-C200R4-6C	2m 3m 10m 20m 30m 3m 10m 20m 30m 30m 30m 30m 30m 30m 30m 3	-	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 Al65BT-G4-S3 and GOT For connection between Al65BT-G4-S3 and GOT For connection between Al65BT-G4-S2 and GOT For connection between Al65BT-G4-S3 and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT	● *6	•	•	-	_
	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C300R4-25P GT09-C300R4-6C GT09-C100R4-6C GT09-C200R4-6C GT09-C200R4-6C GT01-C10R4-8P	2m 3m 10m 20m 30m 3m 10m 20m 30m 3m 10m 20m 30m 3m 10m	-	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 Al65BT-G4-S3 and GOT For connection between Al65BT-G4-S3 and GOT For connection between Al65BT-G4-S2 and GOT For connection between Al65BT-G4-S3 and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT	● *6	•	•		_
	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C300R4-25P GT09-C300R4-6C GT09-C200R4-6C GT09-C300R4-6C GT09-C300R4-6C GT01-C30R4-8P	2m 3m 10m 20m 30m 10m 20m 30m 30m 10m 20m 30m 10m 30m 10m 30m 30m 30m 30m 30m 30m 30m 3	-	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 Al65BT-G4-S3 and GOT For connection between Al65BT-G4-S3 and GOT For connection between Al65BT-G4-S2 and GOT For connection between Al65BT-G4-S3 and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT	♣*6 —	•	-	-	_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C200R4-25P GT10-C200R4-25P GT09-C30R4-6C GT09-C30R4-6C GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-8P GT01-C100R4-8P GT01-C30R4-8P	2m 3m 10m 20m 3m 10m 20m 30m 3m 10m 20m 30m 3m 10m 20m 30m 3m 10m 20m 3m 10m 3m 3m 10m 20m 3m 3m 3m 3m 3m 3m 3m 3m 3m 3	-	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 Al65BT-G4-S3 and GOT For connection between AnA/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	● *6	•	•		_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C200R4-25P GT10-C300R4-25P GT09-C30R4-6C GT09-C30R4-6C GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT01-C10R4-8P GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P	2m 3m 10m 20m 30m 30m 20m 30m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 30m 30m 30m 30m 30m 30m 3	-	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 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 FXCPU (MINI-DIN 8-pin connector)	♣*6 —	•	-		_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C30R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C300R4-25P GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT01-C10R4-8P GT01-C30R4-8P GT01-C300R4-8P GT01-C300R4-8P	2m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 3m 10m 3m 3m 10m 3m 3m 10m 3m 3m 3m 3m 3m 3m 3m 3m 3m 3	-	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-64-53 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	♣*6 —	•	-	- *3	_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C10R4-25P GT01-C20R4-25P GT01-C20R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C10R4-25P 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 GT01-C30R4-8P GT01-C30R4-8P	2m 3m 10m 20m 3m 10m 20m 30m 3m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 30m 30m 30m 30m 30m 30m 3	-	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-64-53 and GOT For connection between AD65BT-64-53 and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit 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	♣*6 —	•	-	- *3	_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C200R4-25P GT10-C200R4-25P GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C30R4-8P GT10-C30R4-8P GT10-C30R4-8P	2m 3m 10m 20m 30m 3m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 30m 10m 30m 30m 30m 30m 30m 30m 30m 3	-	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-64-53 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	♣*6 —	•	-	- *3	_
RS-422 cable	OnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable	FALTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C200R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C300R4-25P GT09-C30R4-6C GT09-C30R4-6C GT09-C300R4-6C GT09-C300R4-6C GT01-C30R4-8P GT01-C30R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C30R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P	2m 3m 10m 20m 30m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 3m 10m 3m 10m 3m 10m 3m 10m 3m 3m 10m 3m 3m 10m 3m 3m 10m 3m 3m 3m 3m 3m 3m 3m 3m 3m 3	-	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-64-53 and GOT For connection between AD65BT-64-53 and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit 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	♣*6 —	•	-	- *3	_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C300R4-25P GT10-C300R4-25P 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	2m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 3m 10m 20m 3m 3m 10m 3m 3m 10m 3m 3m 10m 3m 3m 10m 3m 3m 3m 10m 3m 3m 3m 3m 3m 3m 3m 3m 3m 3	-	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-64-53 and GOT For connection between AD65BT-64-53 and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit 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	♣*6 —	•	-	- *3	_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication	FALTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C200R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C300R4-25P GT09-C30R4-6C GT09-C30R4-6C GT09-C300R4-6C GT09-C300R4-6C GT01-C30R4-8P GT01-C30R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C30R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P	2m 3m 10m 20m 30m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 3m 10m 3m 10m 3m 10m 3m 10m 3m 3m 10m 3m 3m 10m 3m 3m 10m 3m 3m 3m 3m 3m 3m 3m 3m 3m 3	-	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 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 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	●*6 - - •*6	•	•	- *3 - *3	_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C20R4-25P GT01-C20R4-25P GT01-C300R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C10R4-6C GT09-C20R4-6C GT09-C30R4-6C GT01-C10R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	2m 3m 10m 20m 3m 10m 20m 30m 3m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 30m 30m 30m 30m 30m 30m 3	-	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-64-53 and GOT For connection between AD65BT-64-53 and GOT For connection between Serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit 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	●*6 - - •*6	•	•	- *3 - *3	_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C300R4-25P GT10-C300R4-25P 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	2m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 3m 10m 20m 3m 3m 10m 3m 3m 10m 3m 3m 10m 3m 3m 10m 3m 3m 3m 10m 3m 3m 3m 3m 3m 3m 3m 3m 3m 3	-	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 Al65BT-G4-S3 and GOT For connection between Al65BT-G4-S3 and GOT For connection between Al65BT-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 computer link 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	●*6 - - •*6	•	•	- *3 - *3	_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C20R4-25P GT01-C20R4-25P GT01-C300R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C10R4-6C GT09-C20R4-6C GT09-C30R4-6C GT01-C10R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	2m 3m 10m 20m 3m 10m 20m 30m 3m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 30m 30m 30m 30m 30m 30m 3	-	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-64-53 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 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	●*6 - - •*6	•	•	- *3 - *3	_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C20R4-25P GT01-C20R4-25P GT01-C300R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C10R4-6C GT09-C20R4-6C GT09-C30R4-6C GT01-C10R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	2m 3m 10m 20m 3m 10m 20m 30m 3m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 30m 30m 30m 30m 30m 30m 3	-	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-64-53 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 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	●*6 - - •*6	•	•	- *3 - *3	_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C200R4-25P GT01-C300R4-25P 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-C10R4-8P GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	2m 3m 10m 20m 3m 10m 20m 3m 10m 20m 30m 3m 10m 20m 30m 3m 10m 20m 30m 3m 10m 20m 30m 30m 30m 30m 30m 30m 30m 3	-	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-64-53 and GOT For connection between AAGFXCPU (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 communication function extension board (MINI-DIN 8-pin connector) and GOT *The unit cannot be used with the FX1NC, FX2NC, FX3UC-DIDSS, FX3G. For connection between FXCPU (MINI-DIN 8-pin connector) and	●*6 - - •*6	•	•	- *3 - *3	_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board	FALTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C200R4-25P GT01-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 GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C10R4-8P GT10-C300R4-8P	2m 3m 10m 20m 3m 10m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 1m 3m 10m 1m 1m 1m 1m	-	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 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 computer link 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 communication function extension board (MINI-DIN 8-pin connector) and GOT	●*6 - - •*6	•	•	- *3 - *3	_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P 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-C10R4-8P GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	2m 3m 10m 20m 1m 3m 10m 3m 10m 3m 10m 3m 10m 3m 10m 3m 10m 3m 3m 10m 3m 3m 10m 3m	-	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 QnA/A/FXCPU (D-sub 25-pin connector) 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 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 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		•	•	- *3 - *3	_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C200R4-25P GT01-C200R4-25P GT01-C300R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT10-C30R4-25P GT09-C30R4-6C GT09-C10R4-6C GT09-C20R4-6C GT09-C30R4-6C GT01-C10R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	2m 3m 10m 20m 3m 10m 10m 20m 3m 10m 10m 10m 10m 10m 10m 10m 10m 10m 10	-	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 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 computer link 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 communication function extension board (MINI-DIN 8-pin connector) and GOT		•	•	- *3 - *3	_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C200R4-25P GT01-C200R4-25P GT01-C300R4-25P 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-C10R4-8P GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	2m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 30m 3m 10m 20m 30m 1m 1m 1m 1m 1m 1m 3m 10m 20m 30m 1m 3m 10m 20m 30m 30m 3m 10m 20m 30m 30m 3m 10m 20m 30m 30m 30m 30m 30m 30m 30m 30m 30m 3	-	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 QnA/A/FXCPU (D-sub 25-pin connector) 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 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 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	•	•	- • • • • • • • • • • • • • • • • • • •	
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board	FALTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C200R4-25P GT01-C300R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C10R4-8P GT10-C30R4-8P	2m 3m 10m 20m 3m 11m 3m 10m 20m 3m 10m 20m 30m 1m 3m 10m 20m 30m 1m 3m 10m 20m 30m 30m 30m 30m 30m 30m 30m 30m 30m 3		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-64-53 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 #The unit cannot be used with the FX1NC, FX2NC, FX3UC-DIDSS, 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		•	•	- *3 - *3	_
RS-422 cable	QnA/A/FXCPU direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board	FA-LTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C200R4-25P GT01-C200R4-25P GT01-C300R4-25P 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-C10R4-8P GT01-C30R4-8P GT01-C30R4-8P GT01-C30R4-8P GT10-C30R4-8P	2m 3m 10m 20m 3m 10m 20m 3m 10m 20m 3m 10m 20m 30m 3m 10m 20m 30m 1m 1m 1m 1m 1m 1m 3m 10m 20m 30m 1m 3m 10m 20m 30m 30m 3m 10m 20m 30m 30m 3m 10m 20m 30m 30m 30m 30m 30m 30m 30m 30m 30m 3	-	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 QnA/A/FXCPU (D-sub 25-pin connector) 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 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 *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 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	● *6● *6	•	•	- - - - - -	•**
RS-422 cable	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	FALTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C200R4-25P GT01-C300R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C10R4-8P GT10-C30R4-8P	2m 3m 10m 20m 3m 11m 3m 10m 20m 3m 10m 20m 30m 1m 3m 10m 20m 30m 1m 3m 10m 20m 30m 30m 30m 30m 30m 30m 30m 30m 30m 3		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 QnA/A/FXCPU (D-sub 25-pin connector) 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 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 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 PXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between PXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between PXCPU communication function extension board (MINI-DIN 8-pin) For connection between PXCPU communication function extension board (MINI-DIN 8-pin) For connection between PXCPU communication function extension board (MINI-DIN 8-pin) For connection between PXCPU communication function extension board (MINI-DIN 8-pin) For connection between pxCPU commu	● *6● *6	•	•	- • • • • • • • • • • • • • • • • • • •	
	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	FALTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C200R4-25P 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 GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C300R4-8P	2m 3m 10m 20m 30m 3m 10m 20m 30m 3m 10m 20m 30m 1m 30m 10m 20m 30m 1m 3m 10m 20m 30m 1m 3m 10m 20m 30m 3m 30m 3m		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 QnA/A/FXCPU (D-sub 25-pin connector) 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 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 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 PXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between PXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between PXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between PXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between PXCPU communication function extension board (MINI-DIN 8-pin, female) and GOT (MINI-DIN 6-pin, male) For connection between Q/LCPU and GOT For connection between PXCPU communication function extension between Q	● *6● *6	•	•	- - - - - -	
	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	FALTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C200R4-25P GT01-C300R4-25P GT01-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C30R4-8P	2m 3m 10m 20m 3m 11m 3m 10m 20m 3m 10m 20m 30m 1m 3m 10m 20m 30m 1m 3m 10m 20m 30m 30m 30m 30m 30m 30m 30m 30m 30m 3		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 QnA/A/FXCPU (D-sub 25-pin connector) 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 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 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 PXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between PXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between PXCPU communication function extension board (MINI-DIN 8-pin) For connection between PXCPU communication function extension board (MINI-DIN 8-pin) For connection between PXCPU communication function extension board (MINI-DIN 8-pin) For connection between PXCPU communication function extension board (MINI-DIN 8-pin) For connection between pxCPU commu		•	•		
	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	FALTBGTR4CBL20 GT01-C30R4-25P GT01-C30R4-25P GT01-C200R4-25P 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 GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C300R4-8P	2m 3m 10m 20m 30m 3m 10m 20m 30m 3m 10m 20m 30m 1m 30m 10m 20m 30m 1m 3m 10m 20m 30m 1m 3m 10m 20m 30m 3m 30m 3m		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 QnA/A/FXCPU (D-sub 25-pin connector) 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 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 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 PXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between PXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between PXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between PXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between PXCPU communication function extension board (MINI-DIN 8-pin, female) and GOT (MINI-DIN 6-pin, male) For connection between Q/LCPU and GOT For connection between PXCPU communication function extension between Q		•	•	- - - - - -	

Cables

	Product name	Model name	Cable	Third party products	Application			able m	odel	*2
	- Toutet Haille	Wiodel Hairie	length	*1	<u> </u>	GT16	GT15	GT11	Handy	GT10
	FX communication function				For connection between FXCPU communication function extension board					
	extension board connection				(D-sub 9-pin connector) and GOT/personal computer (GT SoftGOT1000) (D-sub 9-pin)					
	cable. FX communication	GT01-C30R2-9S	3m	_	For connection between FXCPU communication function adapter				■*3	■ *4
	function adapter connection		•		(D-sub 9-pin connector) and GOT					
	cable, Data transfer cable	For connection between personal computer (screen design software)								
RS-232 cable					(D-sub 9-pin, female) and GOT (D-sub 9-pin, female)					
	FX communication function	GT01-C30R2-25P	3m	_	For connection between FXCPU communication special adapter (D-sub 25-pin				•	•
	adapter connection cable	G101 000112 201	OIII		connector) and GOT, personal computer (GT SoftGOT1000) (D-sub 9-pin)		_	_	*3	*4
	Computer link	GT09-C30R2-9P	3m		For connection between serial communication unit and GOT	_	_	_	_	_
	connection cable	GT09-C30R2-25P	3m	0	For connection between computer link unit and GOT		•	•	*3	*4
					For connection between AJ65BT-R2N and GOT (GT09-C30R2-9P only)					
Connector conversi	on box for Handy GOT	GT16H-CNB-42S Coming soon	_		Converts Handy GOT connector to RJ-45 for terminal block, D-sub connector or Ethernet for each signal type	_	_	_	* 7	_
		GT11H-CNB-37S			Converts D-sub 37-pin connector to terminal block and D-sub 9-pin connector	_	_	_	8 *	_
		GT16H-C30-42P Coming soon	3m		For connection between connector conversion box and Handy				_	1
	FA device, power supply	GT16H-C60-42P Coming soon	6m	-	GOT	-	-	_	● *7	-
		GT16H-C100-42P Coming soon	10m		461					
External		GT16H-C30-32P Coming soon	3m							
		GT16H-C50-32P Coming soon	5m	-	For connection between CC-Link interface unit and Handy GOT	_	_	_		-
		GT16H-C80-32P Coming soon	8m						*7	1
onnection cable	and operation switch	GT16H-C130-32P Coming soon	13m							
	connection cable	GT11H-C30-37P	3m	_	For connection between FA device connection relay cable					
		GT11H-C60-37P	6m	-	and GOT	_	-	_	*8	_
		GT11H-C100-37P	10m				+			
		GT11H-C30	3m	1	For connection between FA device, power supply and operation switches and GOT					
		GT11H-C60	6m	-		_	-	_	*8	_
		GT11H-C100	10m							
	RS-422, power supply	GT11H-C15R4-8P	1.5m	-	For connection between FXCPU and GOT	_	_	_	•	-
	and operation switch				For connection between power supply and operation switches and GOT				*8	
	connection cable	GT11H-C15R4-25P			For connection between A/QnACPU and GOT		_	_	•	-
A device					or connection between power supply and operation switches and GOT				*8	
connection	RS-232, power supply and	GT11H-C15R2-6P	1.5m		For connection between QCPU and GOT	_	_	_	•	-
elay cable	operation switch connection cable	07			For connection between power supply and operation switches and GOT				*8	
	5 "	GT11H-C30-32P	3m							
	Dedicated cable for	GT11H-C50-32P	5m	-	For connection between CC-Link interface unit and Handy GOT	_	_	_	•	-
	CC-Link interface unit	GT11H-C80-32P	8m	-	To composition between the Limit mentals and manay do t				*8	
		GT11H-C130-32P	13m							
Barcode reader con	nnection cable	GT10-C02H-6PT9P	0.2m	_	For connection between barcode reader (D-sub 9-pin, male)	_	_	_	_	•
					and GOT (MINI-DIN 6-pin, male) RS-232					*5
External I/O unit cor	nnection conversion cable	GT15-C03HTB	0.3m		For connection between GOT1000 (external I/O unit) and GOT-A900 external I/O			_	_	-
1 000 11		OT45 050\/O		-	interface unit connection cable (A8GT-C05TK/A8GT-C30TB/user-fabricated cable)					
nalog RGB cable	DC 000#10D	GT15-C50VG	5m	0	For connection between external monitor, personal computer and vision sensor and GOT	•	•	-	-	_
	RS-232/USB conversion	GT10-RS2TUSB-5S	_	_	For connection between personal computer (USB) and GOT (RS-232)	_	-	_	_	* 5
100	adapter for data transfer				(Adapter and personal computer are connected with GT09-C30USB-5P.)					*5
JSB cable	5	OT00 000110D 50		_	For connection between personal computer (USB) and GOT (USB mini-B)					•
	Data transfer cable	GT09-C30USB-5P	3m	0	For connection between QnUCPU (USB mini-B) and personal computer (GT SoftGOT1000)					*4
	, II	OT40 040EV/10D F0			For connection between printer and GOT (printer unit)	•	•	_	_	-
Extension USB water	erproot cable	GT10-C10EXUSB-5S NEW	1m		For extending the USB port of GOT to the control panel	_	_	_	_	*4

- Extension USB waterproof cable

 \$1: FA-LTBGTR4CBL_ is developed by Mitsubishi Electric Engineering Company Limited and sold through your local sales office.

 \$1: FA-LTBGTR4CBL_ is 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: Can be used when used together with the Handy GOT connector conversion box.

 \$4: Can be used only for GT105_ and GT104_.

 \$5: Can be used only for GT1030 and GT1020.

 \$6: To connect with R5-422485 interace of GT16 main unit, an RS-422 conversion cable (GT16-C02R4-9S) is required.

 \$7: Can be used only for GT118 Handy.

Cables for third party FA devices

			Cable	Third party	COT		Applic	able m	odel	*2	
	Product name	Model name	length	products *1	GOT connection destination		GT15	GT11	Handy GOT	GT1	
	Cable for OMRON PLC	GT09-C30R20101-9P	3m		PLC CPU: CPM2A/CQM1(H)/CS1/CJ1/CJ2H/CP1E/C200HX/C200HG/ C200HE/CV500/CV1000/CV2000/CVM1 RS-232C adapter: CPM1-CIF01/CPM2C-CIF01-V1 Cable: CPM2C-CN111/CQM1-CIF02 Serial communication unit/board: CQM1-SCB41/C200HW-COM02/ C200HW-COM05/C200HW-COM06/CS1W-SCB21(-V1)/CS1W-SCB41(-V1)/ CS1W-SCU21(-V1)/CJ1W-SCU21(-V1)/CJ1W-SCU41(-V1)/CP1W-CIE01					*4	
		GT09-C30R20102-25S		Connection cable: CQM1-CIF01							
		GT09-C30R20103-25P	3m		Base mount type host link unit: C500-LK201-V1/C200H-LK201-V1						
	Cable for	GT09-C30R21101-6P	3m		PLC CPU: KV-700/1000/3000						
	KEYENCE PLC	GT09-C30R21102-9S	3m								
		GT09-C30R21103-3T	3m		Multi-communication unit: KV-L20/KV-L20R/KV-L20V (port 2)						
		GT09-C30R20601-15P		3m F 3m F	PLC CPU: JW-22CU/70CUH/100CUH/100CU	•					
	Systems PLC	GT09-C30R20602-15P	9-C30R20602-15P 3m		PLC CPU: JW-32CUH/33CUH/Z-512J						
S-232	Cables for JTEKT PLC	GT09-C30R21201-25P	3m		RS-232/RS-422 converter: TXU-2051		•	•			
ble	Cable for Shinko Technos digital indicating controller	GT09-C30R21401-4T	3m		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	1	PLC CPU: T2N	1					
	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	1					
	Cable for Hitachi PLC	GT09-C30R21301-9S	3m	1	Communication module: LQE560/LQE060/LQE160	1					
	Cable for Fuji Electric FA Components & Systems PLC	GT09-C30R21003-25P	3m	3m R	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	1					
	Cable for Panasonic Electric Works	GT09-C30R20902-9P	3m	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	1				*	
		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 cable vary depending on the GOT main unit. For more details, see the GOT1000 Series Handbook and the GOT1000 Series Connection Manual.
 3: R5-422 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 for GT105 and GT104.

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Cables for third party FA devices

ectric PLC	GT09-C30R20201-9P			DI O ODILI OLI 100/OLI 100/HD 000/HD 111/107 111/107					GT10
ectric PLC		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					
	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
ectric PLC	GT09-C30R20205-25P GT09-C30R20301-9P GT09-C30R20302-9P	3m 3m 3m		MEMOBUS module: CP-217IF (when connected to CN2) Yokogawa Electric personal computer module: LC01-ON/LC02-0N CPU port/D-sub 9-pin conversion cable: KM10-0C/KM10-0S Personal computer link module: F3LC01-1N/F3LC11-1N/F3LC11-1F/F3LC12-1F	•				
gawa Electric	GT09-C30R20305-9S GT09-C30R20304-9S	3m 3m		PLC CPU: NFCP100/NFJT100 Converter: ML2-					-
radley	GT09-C30R20701-9S	3m		PLC CPU: SL500 series					
·	GT09-C30R20801-9S	3m	1	HMI adapter					
-	GT09-C30R40101-9P GT09-C100R40101-9P GT09-C200R40101-9P	3m 10m 20m		PLC CPU: CV500/CV1000/CV2000/CVM1 Serial communication unit: CJ1W-SCU41 Serial communication board: COM1-SCB41/CS1W-SCB41					
	GT09-C30R40102-9P GT09-C100R40102-9P GT09-C200R40102-9P GT09-C300R40102-9P	3m 10m 20m 30m		Base mount type host link unit: C200H-LK202-V1/C500-LK201-V1					*4
	GT09-C100R40103-5T GT09-C200R40103-5T GT09-C300R40103-5T	10m 20m 30m		Communication board: CP1W-CIF11/CP1W-CIF12/CJ1W-CIF11					
.c	GT09-C30R41101-5T GT09-C100R41101-5T GT09-C200R41101-5T GT09-C300R41101-5T	3m 10m 20m 30m		Multi-communication unit: KV-L20/KV-L20R/KV-L20V (port 2)					
	GT09-C30R40601-15P GT09-C100R40601-15P GT09-C200R40601-15P GT09-C300R40601-15P	3m 10m 20m 30m		PLC CPU: JW-22CU/70CUH/100CUH/100CU					
cturing	GT09-C30R40602-15P GT09-C100R40602-15P GT09-C200R40602-15P GT09-C300R40602-15P	3m 10m 20m 30m		PLC CPU: JW-32CUH/33CUH/Z-512J					
	GT09-C100R40603-6T GT09-C200R40603-6T GT09-C300R40603-6T	10m 20m 30m		Link unit: JW-21CM/JW-10CM/ZW-10CM					
	GT09-C30R41201-6C GT09-C100R41201-6C GT09-C200R41201-6C GT09-C300R41201-6C	3m 10m 20m 30m	0	PLC CPU: PC3J/PC3JL Communication module: PC/CMP2-LINK		•	•	*3	
	GT09-C100R40501-15P GT09-C200R40501-15P	3m 10m 20m 30m	- - -	PLC CPU: T2/T3/T3H/model3000(S3)					
0	GT09-C30R40502-6C GT09-C100R40502-6C GT09-C200R40502-6C GT09-C300R40502-6C	3m 10m 20m 30m		PLC CPU: T2E/model2000(S2)					-
	GT09-C100R40503-15P GT09-C200R40503-15P GT09-C300R40503-15P	3m 10m 20m 30m		PLC CPU: T2N	*5				
	GT09-C100R40401-7T GT09-C200R40401-7T GT09-C300R40401-7T	10m 20m 30m		Intelligent serial port module: COMM-H/COMM-2H					
	GT09-C100R41301-9S GT09-C200R41301-9S GT09-C300R41301-9S	10m 20m 30m		PLC CPU: LQP510 Communication module: LQE565/LQE165					
	GT09-C30R41001-6T GT09-C100R41001-6T GT09-C200R41001-6T GT09-C300R41001-6T	3m 10m 20m 30m		RS-232C/485 interface capsule: FFK120A-C10 General interface module: NC1L-RS4/FFU120B					
	GT09-C100R40201-9P GT09-C200R40201-9P GT09-C300R40201-9P	3m 10m 20m 30m		MEMOBUS module: JAMSC-120NOM27100/JAMSC-IF612					
etric PLC	GT09-C30R40202-14P GT09-C100R40202-14P GT09-C200R40202-14P GT09-C300R40202-14P	3m 10m 20m 30m		PLC CPU: MP940				*4	
ıc	GT09-C30R40301-6T GT09-C100R40301-6T GT09-C200R40301-6T GT09-C300R40301-6T	3m 10m 20m 30m		Personal computer link module: F3LC11-2N					
	GT09-C30R40302-6T GT09-C100R40302-6T GT09-C200R40302-6T GT09-C300R40302-6T	3m 10m 20m 30m		Personal computer link module: LC02-0N					
emperature	GT09-C30R40303-6T GT09-C100R40303-6T GT09-C200R40303-6T GT09-C300R40303-6T	3m 10m 20m 30m		Temperature controller: GREEN series					-
	GT09-C30R40304-6T GT09-C100R40304-6T GT09-C200R40304-6T	3m 10m 20m		Temperature controller: UT2000 series					
	gawa Electric Introller radley ation, Inc.) PLC CC CC Cc rial stems PLC Electric FA Systems ctric PLC LC emperature ontroller	Grop-C30R20304-9S Grop-C30R20304-9S Grop-C30R20304-9S Grop-C30R20701-9S Grop-C30R20701-9S Grop-C30R20701-9S Grop-C30R20701-9S Grop-C30R20701-9S Grop-C30R20701-9P Grop-C30R20701-9P Grop-C300R40101-9P Grop-C300R40101-9P Grop-C300R40101-9P Grop-C300R40102-9P Grop-C300R40102-9P Grop-C300R40103-5T Grop-C300R40103-5T Grop-C300R40103-5T Grop-C300R40103-5T Grop-C300R40103-5T Grop-C300R40103-5T Grop-C300R40103-5T Grop-C300R40103-5T Grop-C300R41101-5T Grop-C300R41101-5T Grop-C300R41101-5T Grop-C300R40601-15P Grop-C300R40601-15P Grop-C300R40601-15P Grop-C300R40601-15P Grop-C300R40603-6T Grop-C300R40603-6T Grop-C300R40603-6T Grop-C300R40603-6T Grop-C300R40603-6T Grop-C300R40603-15P Grop-C300R40603-15P Grop-C300R40501-15P Grop-C300R40501-15P Grop-C300R40501-15P Grop-C300R40501-15P Grop-C300R40501-15P Grop-C300R40501-15P Grop-C300R40503-15P Grop-C300R40303-15P Grop-C300R40303-1	Gawa Electric GT09-C30R20304-9S 3m 3m 3m 3m 3m 3m 3m 3	Gross Gros	gasse Electric Profession Company (1997) Company (1997	granted Bertinic Corpo. C30Pa20304-9S 3m more processed on the company of the	Converter: ML2	grane Teacher CT09	grane Exterior Critic Cr

- *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 for GT105 and GT104.
- *5 : To connect with RS-422/485 interface of GT16 main unit, an RS-422 conversion cable (GT16-C02R4-9S) is necessary

Backward compatibility

Notes for use

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 GOT-A900 series can be used in 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 GOT-F900 series can be used in 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 on the GOT1000 series.

Cables

- For details on using the GOT900 series bus connection cables, RS-422 cables and RS-232 cables with the GOT1000 series, see Technical Bulletin No.GOT-A-0009.
- The bus connection cables, RS-422 cables and RS-232 cables for the GOT1000 series cannot be used for the GOT900 series.

Panel cut dimensions

■GOT900 series → GOT1000 series compatibility

- The A985GOT(-V) and GT1685/GT1585, A975/970GOT(-B) and GT167 ☐/GT157 ☐, F940GOT and 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 GT155.
- GT115 -Q BDQ and GT115 -Q BDA, the former model can be replaced with any of the latter 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.

The 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 56) and "GT Designer3 Version1 Screen Design Manual."

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 "CF card & optional function board selection <GT16/GT15/GT11>" (page 68).

			Require	ed optional units and devices		
	Function	GT16	GT16 Handy	GT15	GT11*6	GT10
Memory exte	ension	CF card	CF card	Optional function board: GT15-QFNB M or GT15-MESB48M CF card	None	None
Multi-channe	I function	Not necessary	Not necessary	Optional function board: GT15-QFNB(\(\subseteq M \)) or GT15-MESB48M	None	None
Multimedia fu	unction*1	Multimedia unit: GT16M-MMR CF card for multimedia	None	None	None	None
Vr.L. (DOD	Video input*1 *2	Video input unit: GT16M-V4 or Video/RGB input unit: GT16M-V4R1	None	Video input unit: GT15V-75V4 or Video/RGB input unit: GT15V-75V4R1	None	None
Video/RGB function	RGB input*1 *2	RGB input unit: GT16M-R2 or Video/RGB input unit: GT16M-V4R1	None	RGB input unit: GT15V-75R1 or Video/RGB input unit: GT15V-75V4R1	None	None
	RGB output*1 *2	RGB output unit: GT16M-ROUT	None	RGB output unit: GT15V-ROUT	None	None
CF card unit/	CF card extension unit	CF card unit: GT15-CFCD or CF card extension unit: GT15-CFEX-C08SET	None	CF card unit: GT15-CFCD or CF card extension unit: GT15-CFEX-C08SET	None	None
Sound output	t function	Sound output unit: GT15-SOUT	None	Sound output unit: GT15-SOUT	None	None
Remote personal computer operation function (serial)*1 *2		RGB input unit: GT16M-R2 or Video/RGB input unit: GT16M-V4R1	None	RGB input unit: GT15V-75R1 or Video/RGB input unit: GT15V-75V4R1		None
External input/output function, operation panel function		External input/output unit: GT15-DIO or GT15-DIOR	None	External input/output unit: GT15-DIO or GT15-DIOR		None
Gateway fund	ction	Not necessary	Not necessary	Ethernet communication unit: GT15-J71E71-100		None
MES interfac	e function	Optional function board: GT16-MESB	None	Ethernet communication unit: GT15-J71E71-100 Optional function board: GT15-MESB48M	None	None
Document dis	splay function	CF card	CF card	Optional function board: GT15-QFNB(\(\subseteq M \)) or GT15-MESB48M CF card		None
Operation log	function	CF card	CF card	CF card	None	None
Backup/resto	oration function	USB memory device or CF card	USB memory or CF card	or CF card		None
Maintenance	time notification function	Not necessary (equipped with battery as standard feature)	Not necessary (equipped with battery as standard feature)	Battery: GT15-BAT	None	None
CNC data inp	out/output function*3	USB memory device or CF card	None	CF card	None	None
	tor function*4 Q/L/QnA ladder monitor	r monitor Not necessary Not necessary Optional function board: GT15-QFNB(\square M) or GT15-MESB48		Optional function board: GT15-QFNB(\(\sum M \)) or GT15-MESB48M	None	None
SFC monitor	function*4	CF card	CF card	Optional function board: GT15-QFNB M or GT15-MESB48M CF card	None	None
Motion SFC	monitor function*4	CF card	CF card	Optional function board: GT15-QFNB M or GT15-MESB48M CF card	None	None
_adder editor	r function*5	CF card	CF card	Optional function board: GT15-QFNB M or GT15-MESB48M CF card	None	None
Report functi	on	Printer unit: GT15-PRN (when PictBridge-compatible printer is used) CF card	None	Printer unit: GT15-PRN (when PictBridge-compatible printer is used) CF card	None	None
I laud a	Saving files on CF card	CF card	CF card	CF card	None	None
Hard copy function	Printing by printer	Printer unit: GT15-PRN (when PictBridge-compatible printer is used)	None	Printer unit: GT15-PRN (when PictBridge-compatible printer is used)	None	None

- #1 : Excluding GT16 VNB.
 #2 : For GT15, only GT1585V and GT1575V are applicable.
 #3 : Only XGA and SVGA of GT16 and GT15 are applicable.
 #4 : Excluding QVGA of GT155.
- *5 : Excluding GT155 ...
- *6 : Including GT11 Handy

CF card & optional function board selection <GT16/GT15/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

■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 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*	Extended by CF card	1	Decompressing data from ROM to		
Operation memory (RAM)		57MB*	4	RAM for operation		

*: Differs depending on the GOT main unit model.

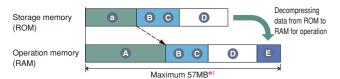
■Types and capacities of data and CF card selection

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 69
A Extended function OS and optional function OS decompressed in RAM	Capacity of "GT16(RAM)" in Table A on page 69
B Communication driver	Check with [Table B] on page 69.
© 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.

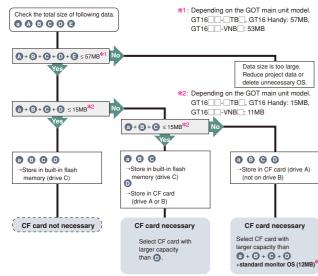
As for the extended function OS and optional function OS, when decompressing the compressed data a in the storage memory (ROM) to the operation memory (RAM), the data size becomes larger as shown in (A).

The buffering area 📵 is an area for storing resource data such as logging and extension alarms. It uses the operation memory (RAM). The data size differs depending on the setting. When the screen design software designates file saving, 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.



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),

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-QENB M or GT15-MESB48M • SFC monitor function • Motion SFC monitor function
- When using the following functions, install the optional function board GT15-QFNB(\square M) or GT15-MESB48M
- · Multi-channel function · Document display function
- MELSEC-Q/L/QnA ladder monitor function
- The following GOT requires no optional function boards when using optional functions
- · 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)

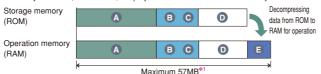
The GOT operates by decompressing the OS and project data, which is stored in the storage memory (ROM), into the operation memory (RAM). The GT15 has a 9MB* memory for the storage memory (ROM) and the operation memory (RAM) as a standard feature. When the OS or the project data exceeds 9MB*, use a CF card and an optional function board with expansion memory (GT15-QFNB M or GT15-MESB48M) to increase the

Storage memory (ROM)	Built-in flash memory 9MB*	Extended by CF card	CE card			
Operation memory (RAM)	9MR*	Extended by optional function board (GT15-QFNB M or GT15-MESB48M)		data from ROM to RAM for operation		
*: Differs depending on the GOT main unit model: GT15 - TB : 9MB, GT15 - VNB : 5MB						

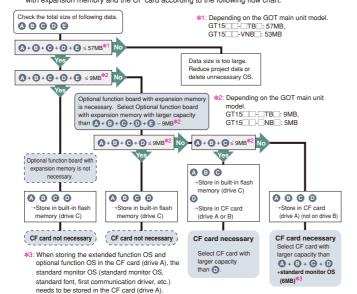
■Types and capacities of data and CF card selection ne data types and capacities are as shown in the table below

Data type	Data capacity
A Extended function OS, optional function OS	Capacity of "GT15" on [Table A] on page 69
B Second communication driver and onwards	150KB for each
C 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 \Box is an area for storing resource data such as logging and extension alarms. It uses the operation memory (RAM). The data size differs depending on the setting. When the screen design software designates file saving, 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.



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.



[Table A] Capacity of extended functional OS and optional function OS

				User area size to be used (KB)					
			Function	GT	16	GT15	GT11		
				RAM	ROM	GIIS			
	Barcode			84	50	84	*1		
1	RFID			166	50	166	*1		
ı	System n	noni	tor	692	450	746	*1		
ı	Report			235	150	235	None		
ı	Printer (F	ictB	tridae)	1104	552	1104	None		
ı	Printer (s		· ,	200	80	200	None		
ŀ			(device name conversion library)	800	400	800	None		
ı			ke font support function	400	300	400	None		
ı	_		ke basic font (Japanese)	2160	2160	2160	None		
ı			ke basic font (Japanese) (with Hangul)	3175	3175	3175	None		
4				1474	1474	1474	None		
			ke basic font (Chinese: Simplified)						
,			e basic font (Chinese: Simplified) (with Hangul)	2016	2016	2016	None		
2000	Video disp RGB disp		Video/RGB	480	298	512	None		
5	Multimed	ia		1074	292	None	None		
3			onal computer operation (Ethernet)	5130	860	None	None		
5	Remote pers	onal	Video/RGB	480	292	512	None		
í	operation (se	rial)	Remote personal computer operation (serial)	84	50	84	None		
	Backup/r			766	420	820	None		
	Operator		Operator authentication	730	460	784	None		
П			keyboard function	200	80	None	None		
ŀ		Audio output			100	200	None		
		-	operation panel	100	70	100	None		
	External I/O, operation panel CNC data CNC data input/output		CNC data input/output	383	210	437	None		
	input/output GOT platform library		200			None			
					77	100	None		
	Device data transfer			100	50	100			
	MELSEC-L troubleshooting function			770	340	None	None		
ı			T link function	200 3882	100	200	None		
4		g viewer function			1434	None	None		
			time notification	*2	*2	*2	None		
	Multi-cha	nne		*2	*2	*2	None		
			Standard font (Chinese: Simplified)	1280	1280	1280	None		
			Standard font (Chinese: Traditional)	1920	1920	1920	None		
	Chinese		Standard font (Japanese)	1280	1280	1280	None		
ı	region		Stroke font (Japanese)	1037	1037	1037	None		
		ı	Stroke font (Chinese: Simplified)	1248	1248	1248	None		
			Stroke font (Chinese: Traditional)	1680	1680	1680	None		
	Operation	n loc	· ,	1221	384	1218	None		
2	Documer			3072	150	2048	None		
			onversion	None	None	1223	None		
			onversion (enhanced version)	2774	1242	2774	None		
			nd graph*3	*2	*2	*2	None		
5	Logging		io graphi - V	710	380	740	None		
change and conditions	00 0	•		100	70	100	None *1		
	Recipe	4							
	Advance			1187	310	1241	None		
۱	Object so	ript		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 edit		MELSEC-A list editor	1024	542	1058	*1		
۱	FX list ed	itor	MELSEC-FX list editor	1024	542	1058	*1		
ı	Intelligen	t uni	t monitor	770	390	384	None		
	Network		itor	370	210	324	None		

			User	area size	to be used	(KB)
		Function	G ⁻	Γ16	GT15	GT11
			RAM	ROM	GIIS	GIII
	Q motion mo	nitor	770	390	607	None
	Servo amplifi	er monitor	770	390	524	None
	CNC monitor		770	390	588	None
	SFC monitor	GOT platform library	200	77	100 *5	None
S		SFC monitor	2108	442	1373 *5	None
9		GOT function extension library	19381	4729	4729 *5	None
덜	Motion SFC	GOT platform library	200	77	100 *11	None
Optional functions	monitor*10	Motion SFC monitor	12522	1240	2477 *11	None
one	Ladder	GOT platform library	200	77	100 *6	None
ġ	editor	Ladder editor	8192	2567	5121 *6	None
O	*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)	84	50	64	None
	MES interface		13461	1598	3196 *9	None

- : Requires installation of the optional function OS and extended function OS, but does not use the user area.
- *2 : Installation of the optional function OS is not required.
- 3 It is necessary to specify the logging function and install the optional function OS (logging) in advance.
 44 Necessary when using the GOT project data that is automatically created by PX Developer (Ver. 1.15 or late). For details, see "PX Developer Version 1 Operating Manual (GOT Screen Generator)(SH-0807/2ENG)."
 45 : 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 memory necessary for using the SFC monitor is 14393/KB. Due to the above, the setting shown in Table 1 is necessary depending on the GOT to be used.

<table 1=""></table>							
GOT	Necessary setting						
GT157 -VN, GT1562-VN	· Set boot source of OS to "A: standard CF card."						
G115/VN, G11562-VN	· 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) "							

- (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 nory 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
- function extension library.
- *9 : The operation of the MES interface function uses 8218KB of the extended memory
- (GT15-MESB48M(4MB)) 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 initiation SPC monitor, tree space of 257 AND or more is necessary in the user area of the specified drive for installing the extended function OS and optional function OS. The total capacity of the memory necessary for using the motion SFC monitor is 126/22KB. For the above reasons, mount an optional function board with a memory capacity of 16MB or more.

Table B Canacity of GT16 communication driver

Units connected	Communication driver name	Capacity (KB)		
Mitsubishi PLC.	Bus connection Q	180		
motion controller,	A/QnA/QCPU, QJ71C24	180		
	MELSEC-FX	180		
robot controller, CNC	MELSECNET/H	200		
CNC	CC-Link IE controller network	200		
Third party PLC,	JTEKT Corporation TOYOPUC-PC	160		
motion controller	Ethernet (Yaskawa Electric Corporation)	160		
Microcomputer	Microcomputer connection	230		
Communication drivers other than above		150		

To use the multi-channel function <GT16/GT15>

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 *
- @Bus connection or network connection *1 + Ethernet connection *3 ③ Ethernet connection *3 + serial connection *2
- Bus connection or network connection *1 + Ethernet connection *3 + serial connection *2
- ⑤Serial connection ** 6 Ethernet connection *3
- * GT16 Handy can be connected only by methods 3 or 6

When using GT15:

- 1)Bus connection, network connection *1, or Ethernet connection *2 + serial connection *2 ②Serial connection *2
- *1: The network connections include the following connection configurations
- *2: The serial connections include the following connection configurations.
- Microcomputer connection (serial) Connection with third party PLCs (serial)

 Temperature controller connection Inverter connection Servo amplifier corCNC 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

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 on the GOT side using any of the following methods.

(a) Stack communication units on the extension unit interface.

- (b) Mount communication units on the extension unit 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

Optional function board

Not necessary when using the GT16.
The GT15 requires an optional function board. Use the optional function board GT15-QFNB(☐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

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 ITable AI

•GT115 QBDQ •GT115 QBDA •GT1155-QTBD •GT115 DS-QBD: Version B or later •GT115 QBD: Version C or later

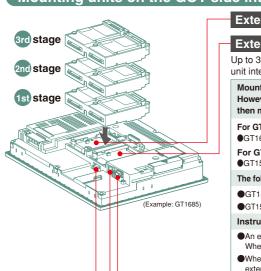
Notes for use

[Table C] Number of connectable channels, number of mountable units and number of mountable stages when the multi-channel function is used

- <u></u>						
		GT1695/GT1685/ GT1595/GT1585/ GT167 /GT166 GT157 /GT156	GT155	Handy GT16	Description	_
(1)	Number of connectable	Up to 4 channels	Up to 2 channels	Up to 4 channels	For GT16: 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 and network connection. • Ethernet connection is available for up to four channels. • When the Ethernet interface built into the GOT is used for functions other than communication with the connected device. • The number of channels does not include the interface used for connection with external devices.	See "Calculation of current consumed by units <gt16 gt15="">" (page 70).</gt16>
	channels				For 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 bus connection and network connection. • When the Ethernet communication unit is used for functions other than communication with the connected device *4, the unit 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	See "Calculation of current consumed by units <gt16 gt15="">" (page 70).</gt16>
	Number of mountable units		Up to 3 units	No units can be mounted	The number of units that can be mounted on extension unit 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. • 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 70).
(Number of mounting stages	Up to 3 stages (2 slots)	Up to 3 stages (1 slot)	No units can be mounted	The number of mounting stages that units can be stacked on extension unit interfaces 1 and 2 of GOT. Units that occupy two slots **** 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 50) and "Mounting units on the GOT side interface <gt16 gt15="">" (page 70).</gt16>
\$4. Ethernet download function, gateway function and MES interface function.			, ,			

- Ethernet download function, gateway function and MES interface function *5: Barcode reader, RFID controller, personal computer (remote personal computer function, FA transparent function, OS installation, and project data download), and printer (serial)
- *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, GT15-75QBUSL, GT15-75ABUSL, GT15-75ABUSL, GT15-75J71LP23-Z, GT15-75J71BR13-Z, GT15-75J61BT13-Z

Mounting units on the GOT side interface <GT16/GT15>



(On GT16 Handy, no units can be mounted because it does not have Extension unit interface 1 extension unit interface 1 or 2.)

Extension unit interface 2 (GT155 has the extension unit interface 1 only)

Up to 3 communication units and optional units can be mounted on each extension

Mount a unit that occupies two slots on the first stage. 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.) ●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

Standard interface (built-in RS-422/485 interface) (GT16 only)

The interface can establish a serial connection with connected devices.

Calculation of current consumed by units <GT16/15>

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.

(1) Current that can be supplied by the GOT (2) Current used by units, barcode reader and RFID controller

(1) Current that can be supplied by the G		
	GOT model	Current supply capacity (A)
	GT1695	2.4
	GT1685	2.4
	GT167	2.4
	GT166	2.4
	GT1595	2.13
	GT1585 (incl. GT1585V)	1.74
	GT157 (incl. GT1575V)	2.2
	GT156	2.2
	GT155	1.3

Unit model	Consumed current (A)	Unit model	Consumed current (A)
GT15-QBUS		Barcode reader	*2
GT15-QBUS2	0.275*1	GT15-PRN	0.09
GT15-75QBUSL	0.275	GT16M-V4	0.12 *1
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 *1
GT15-75ABUS2L		GT15V-75V4R1	0.2 *1
GT15-RS2-9P	0.29	GT16M-ROUT	0.11 *1
GT15-RS4-9S	0.33	GT15V-75ROUT	0.11
GT15-RS4-TE	0.3	GT16M-MMR	0.27 *1
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-J71LP23-25	0.56	GT15-DIO	0.1
GT15-J71BR13	0.77	GT15-DIOR	0.1

- GT15-J61BT13 0.56 RFID controller *2 *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.
- *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 RFID controller at 5VDC. (Maximum less than 0.3A)

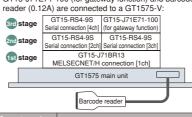
(3) Calculation example

When GT15-J71BR13, GT15-RS4-9S (3 units) GT15-J71E71-100 (for gateway function) and barcode reader (0.12A) are connected to a GT1575-V:

Ex.: GT15-QBUS2

2 slots (1st stage)

are occupied



0.77+0.33+0.33+0.33+0.224+0.12=2.104

Since the total current is within the current supply capacity of the GOT, the units can be used.

MELSOFT GT Works3 (English version) operating environment

Item		Details		
PC	PC/AT compatible			
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® Lenglish, Simplified Chinese, Traditional Chinese, Korean, German versions)***** Microsoft® Windows Vista® Enterprise (English, Simplified Chinese, Traditional Chinese, Korean, German versions)**** Microsoft® Windows Vista® Business (English, Simplified Chinese, Traditional Chinese, Korean, German versions)*** Microsoft® Windows Vista® Home Premium (English, Simplified Chinese, Traditional Chinese, Korean, German versions)** Microsoft® Windows Vista® Home Basic (English, Simplified Chinese, Traditional Chinese, Korean, German versions)** Microsoft® Windows® 7 Ultimate (English, Simplified Chinese, Traditional Chinese, Korean, German versions)** Microsoft® Windows® 7 Enterprise (English, Simplified Chinese, Traditional Chinese, Korean, German versions)** Microsoft® Windows® 7 Professional (English, Simplified Chinese, Traditional Chinese, Korean, German versions)**		
CPU		GHz or more recommended		
Required memory	512 MB or more recommended		ore recommended	
Display	Resolut	ion XGA (1024 × 768 dots) or more		
Available hard disk space	To install GT Designer3: 1.6 GB or more recommended To run GT Designer3: 512 MB or more recommended			
Display colors	High Color (16 bits) or more			
	PLC CPU t	ulator version 5.00A or later*6. or GX Simulator varies depending on the PLC CPL to be simulated	GX Simulator	GX Works2
	QCPU (A mode), ACPU, n	notion controller CPU (A series)	Version 5.00A or later	_
	FX0 series, FX0N series, FX0S series, FX1 FX2 series, FX2C series QCPU (Q mode) (excluding the content of the	Version 5.40E or later	Version 1.24A or later	
	Q00JCPU, C	Version 6.00A or later	Version 1.12N or later	
Software	Q02PHCF	Version 7.20W or later	version 1.12N of later	
	Q12PHCF	Version 6.10L or later		
	Q12PRHCF	Version 6.20W or later		
	FX3	Version 7.08J or later	Version 1.24A or later	
	FX3:		TOTOLOTT ILLET COT INCOT	
	FX3c	Version 7.22Y or later		
	Q00UJCPU, Q00UCPU, Q01UCPU, Q02UC Q10UDHCPU, Q13UDHCPU, Q20UDHCPU Q06UDEHCPU, Q10UDEHCPU, Q13U	Version 7.23Z or later	Version 1.12N or later	

LCPU

Q50UDEHCPU, Q100UDEHCPU

: 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.

The following functions are not supported:
Compatible Mode, Fast User Switching, Desktop Theme (Font) Change, Remote Desktop

Others

Applicable GOT

*4 : Only the 32-bit OS is applicable.

Mouse, keyboard, printer, CD-ROM drive, sound function (sound card)*8 and loudspeakers*8 used with the above OS

GOT1000 Series*9

- . Windows XP Mode is not supported.
 : Use GT Simulator3, GX Developer, GX Simulator, and GX Works2 for the same language.
 : The GOT-A900 cannot be simulated.
- *8 : May be required when the simulation function is used. *9 : The GT10 cannot use the simulation function
- *10: Windows Touch features are not supported

GT SoftGOT1000 (English version) operating environment

li e un	Description		
Item	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)x2 #4 Microsoft® Windows® XP Professional Service Pack 2 or later (English, Simplified Chinese, Traditional Chinese, Korean, German versions)x3 #4 #9 Microsoft® Windows® XP Home Edition Service Pack 2 or later (English, Simplified Chinese, Traditional Chinese, Korean, German versions)x3 #4 #9 Microsoft® Windows® XP Embedded (English, Simplified Chinese, Traditional Chinese, Korean, German versions)x3 #4 #9 Microsoft® Windows Vista® Enterprise (English, Simplified Chinese, Traditional Chinese, Korean, German versions)x3 #4 #9 Microsoft® Windows Vista® Business (English, Simplified Chinese, Traditional Chinese, Korean, German versions)x3 #4 #9 Microsoft® Windows Vista® Home Peremium (English, Simplified Chinese, Traditional Chinese, Korean, German versions)x3 #4 #9 Microsoft® Windows Vista® Home Basic (English, Simplified Chinese, Traditional Chinese, Korean, German versions)x3 #4 #9 Microsoft® Windows® 7 Utilinate (English, Simplified Chinese, Traditional Chinese, Korean, German versions)x3 #4 #9 #12 #13 Microsoft® Windows® 7 Professional (English, Simplified Chinese, Traditional Chinese, Korean, German versions)x3 #4 #9 #12 #13 Microsoft® Windows® 7 Professional (English, Simplified Chinese, Traditional Chinese, Korean, German versions)x3 #4 #9 #12 #13 Microsoft® Windows® 7 Potessional (English, Simplified Chinese, Traditional Chinese, Korean, German versions)x3 #4 #9 #12 #13 Microsoft® Windows® 7 Potessional (English, Simplified Chinese, Traditional Chinese, Korean, German versions)x3 #4 #9 #12 #13 Microsoft® Windows® 7 Potessional (English, Simplified Chinese, Traditional Chinese, Korean, German versions)x3 #4 #9 #12 #13 Microsoft® Windows® 7 Potessional (English, Simplified Chinese, Traditional Chinese, Korean, German versions)x3 #4 #9 #12 #13 Microsoft® Windows® 7 Potessional (English, Simplified Chinese, Traditional Chinese, Korean, German versions)x3 #4 #9 #12 #13 Micros		
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: 1.6GB or more recommended For execution: 512MB or more recommended		
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)) (for USB port))		
Software	When creating or editing project data : GT Designer3*5 When using with PX Developer : PX Developer Version 1.14Q or later GT Designer3 Version 1.01B or later		
Other	Mouse, keyboard, printer, CD-ROM drive, sound function (sound speaker), or speaker		

Specification

Item	Description
Resolution (dots)	640 × 480, 800 × 600, 1024 × 768, 1280 × 1024, 1600 × 1200 Specifiable resolution (640 to 1920 × 480 to 1200)
Display colors	65,536 colors
Memory capacity	57MB
Connection configuration*10	Bus connection*11, CPU direct connection, computer link connection, CC-Link IE controller network connection, MELSECNET connection, Ethernet connection

Version 1.24A or later

Version 1.30G or later

- *1 : Use of GT Designer3 and PX Developer requires additional memory space. For free space 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.

- *2 : Administrator authority is required to install GT SoftGOT1000.
 *3 : Administrator authority is required to install and operate GT SoftGOT1000.
 *4 : The following functions are not supported.

 Compatible Mode Fast User Switching
 Desktop Theme (Font) Change Remote Desktop

 *5 : GT Designer3 and GT SoftGOT1000 must be installed from the same GT Works3.
 *5 : The PC must be equipped with a USB port to use the GT15-SGTKEY. : 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-P.
- *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 a 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.

Please confirm the following product warranty details before using this product.

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.
 - ①Failure occurring from inappropriate storage or handling, carelessness or negligence by the user. Failure caused by the user's hardware or software design.
 - ②Failure 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.
 - ®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

- Mitsubishi shall accept onerous product repairs for seven
 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

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.

MEMO

MEMO	MEMO
	Mitsubishi Electric Corporation Nagoya Works is a factory certified for ISO 14001
	is a factory certified for ISO 14001 (standards for environmental management systems).





Mitsubishi Graphic Operation Terminal

Precautions for Choosing the Products

This catalog explains the typical features and functions of the GOT1000 series HMI and does not provide restrictions and other information on usage and module combinations. When using the products, always read the user's manuals of the products.

Mitsubishi will not be held liable for damage caused by factors found not to be the cause of Mitsubishi; machine damage or lost profits caused by faults in the Mitsubishi products; damage, secondary damage, accident compensation caused by special factors unpredictable by Mitsubishi; damages to products other than Mitsubishi products; and to other duties

⚠ For safe use

- To use the products given in this catalog properly, always read the related manuals before starting to use them.
- The products within this catalog have been manufactured as general-purpose parts for general industries and have not been designed or manufactured to be incorporated into any devices or systems used in purpose related to human life.
- Before using any product for special purposes such as nuclear power, electric power, aerospace, medicine or passenger movement vehicles, consult with Mitsubishi.
- The products within this catalog have been manufactured under strict quality control.
 However, when installing the product where major accidents or losses could occur if the product fails, install appropriate backup or failsafe functions in the system.

Country/Region	Sales office	Tel/Fax
USA	Mitsubishi Electric Automation Inc. 500 Corporate Woods Parkway, Vernon Hills, IL 60061, USA	Tel: +1-847-478-2100 Fax: +1-847-478-0327
Brazil	MELCO-TEC Rep. Com.e Assessoria Tecnica Ltda. Av. Paulista, 1439-CJ. 72 Cerqueira Cesar CEP 01311-200, Sao Paulo, SP, CEP: 01311-200, Brazil	Tel: +55-11-3146-2200 Fax: +55-11-3146-2217
Germany	Mitsubishi Electric Europe B.V. German Branch Gothaer Strasse 8, D-40880 Ratingen, Germany	Tel: +49-2102-486-0 Fax: +49-2102-486-1120
UK	Mitsubishi Electric Europe B.V. UK Branch Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, UK.	Tel: +44-1707-276100 Fax: +44-1707-278992
Italy	Mitsubishi Electric Europe B.V. Italy Branch Viale Colleoni 7-20041 Agrate Brianza (Milano), Italy	Tel: +39-039-60531 Fax: +39-039-6053312
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France	Mitsubishi Electric Europe B.V. French Branch 25, Boulevard des Bouvets, F-92741 Nanterre Cedex, France	Tel: +33-1-5568-5568 Fax: +33-1-5568-5757
Czech Republic	Mitsubishi Electric Europe B.V. Czech Branch Avenir Business Park, Radlická 714/113a CZ-158 00 Praha 5	Tel: +420-251-551-470 Fax: +420-251-551-471
Poland	Mitsubishi Electric Europe B.V. Polish Branch ul. Krakowska 50 32-083 Balice, Poland	Tel: +48-12-630-47-00 Fax: +48-12-630-47-01
Russia	Mitsubishi Electric Europe B.V. Moscow Office 52/3, Kosmodamianskaya nab., 115054, Moscow, Russia	Tel: +7-812-633-3497 Fax: +7-812-633-3499
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China	Mitsubishi Electric Automation (China) Ltd. 17/F, ChuangXing Financial Center No.288 West Nanjing Road, Shanghai 200003	Tel: +86-21-2322-3030 Fax: +86-21-2322-3000
Taiwan	Setsuyo Enterprise Co., Ltd. 6F, No.105 Wu-Kung 3rd Rd, Wu-Ku Hsiang, Taipei Husien 248, Taiwan	Tel: +886-2-2299-2499 Fax: +886-2-2299-2509
Korea	Mitsubishi Electric Automation Korea Co., Ltd. 1480-6, Gayang-dong, Gangseo-ku, Seoul 157-200, Korea	Tel: +82-2-3660-9552 Fax: +82-2-3664-8372
Singapore	Mitsubishi Electric Asia Pte, Ltd. 307 Alexandra Road #05-01/02, Mitsubishi Electric Building Singapore 159943	Tel: +65-6470-2460 Fax: +65-6476-7439
Thailand	Mitsubishi Electric Automation (Thailand) Co., Ltd. Bang-Chan Industrial Estate No.111 Soi Serithai 54, T.Kannayao, A.Kannayao, Bangkok 10230 Thailand	Tel: +66-2-517-1326 Fax: +66-2-517-1328
Indonesia	P.T. Autoteknindo Sumber Makmur Muara Karang Selatan, Block A / Utara No.1 Kav. No.11, Kawasan Industri Pergudangan, Jakarta- Utara 14440, P.O.Box 5045 Jakarta11050-Indonesia	Tel: +62-21-663-0833 Fax: +62-21-663-0832
India	Messung Systems Pvt., Ltd. Electronic Sadan NO: III Unit No.15, M.I.D.C. Bhosari, Pune-411026, India	Tel: +91-20-2712-3130 Fax: +91-20-2712-8108
Australia	Mitsubishi Electric Australia Pty. Ltd. 348 Victoria Road, Rydalmere, N.S.W. 2116, Australia	Tel: +61-2-9684-7777 Fax: +61-2-9684-7245



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