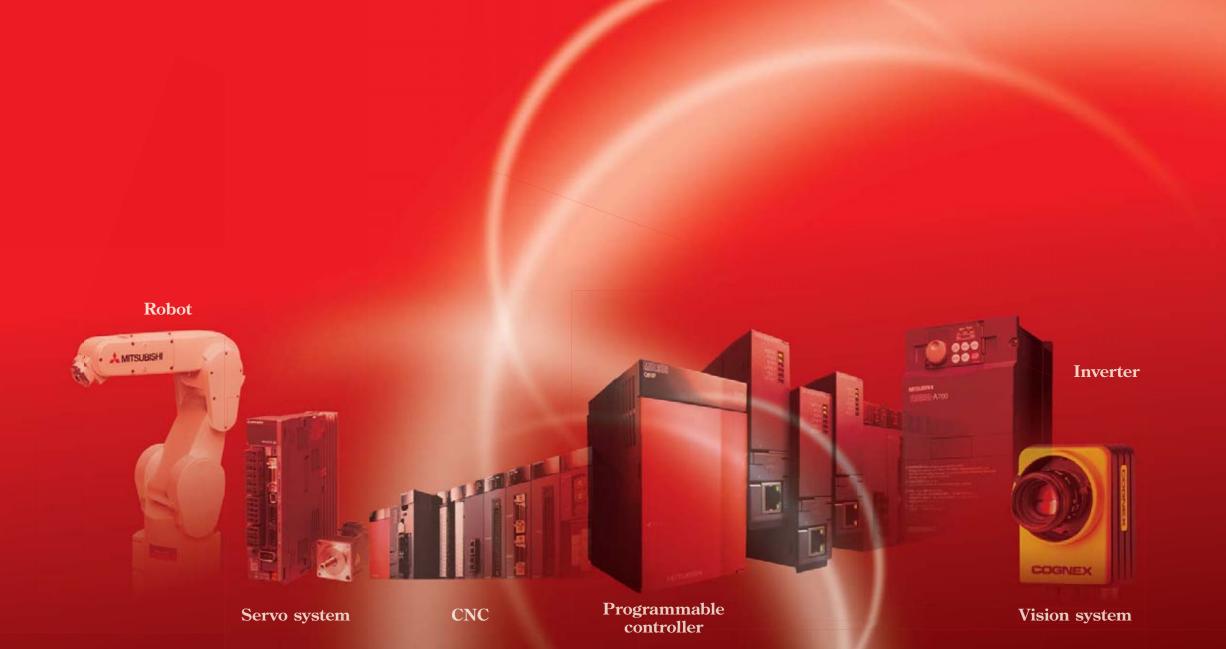


Mitsubishi Graphic Operation Terminal GOT1000 Series

Tailored solutions to meet your HMI and visualization needs





The GOT1000 delivers the competitive advantage:

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



the face of control.

LINE-UP

CASE STUDY 1

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

CASE STUDY 2

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

Hardware Features	22
Software Features GT SoftGOT1000 GT Works3	26
Function Index	30
Specifications, External Dimensions, etc.	52

GOT Solutions

6

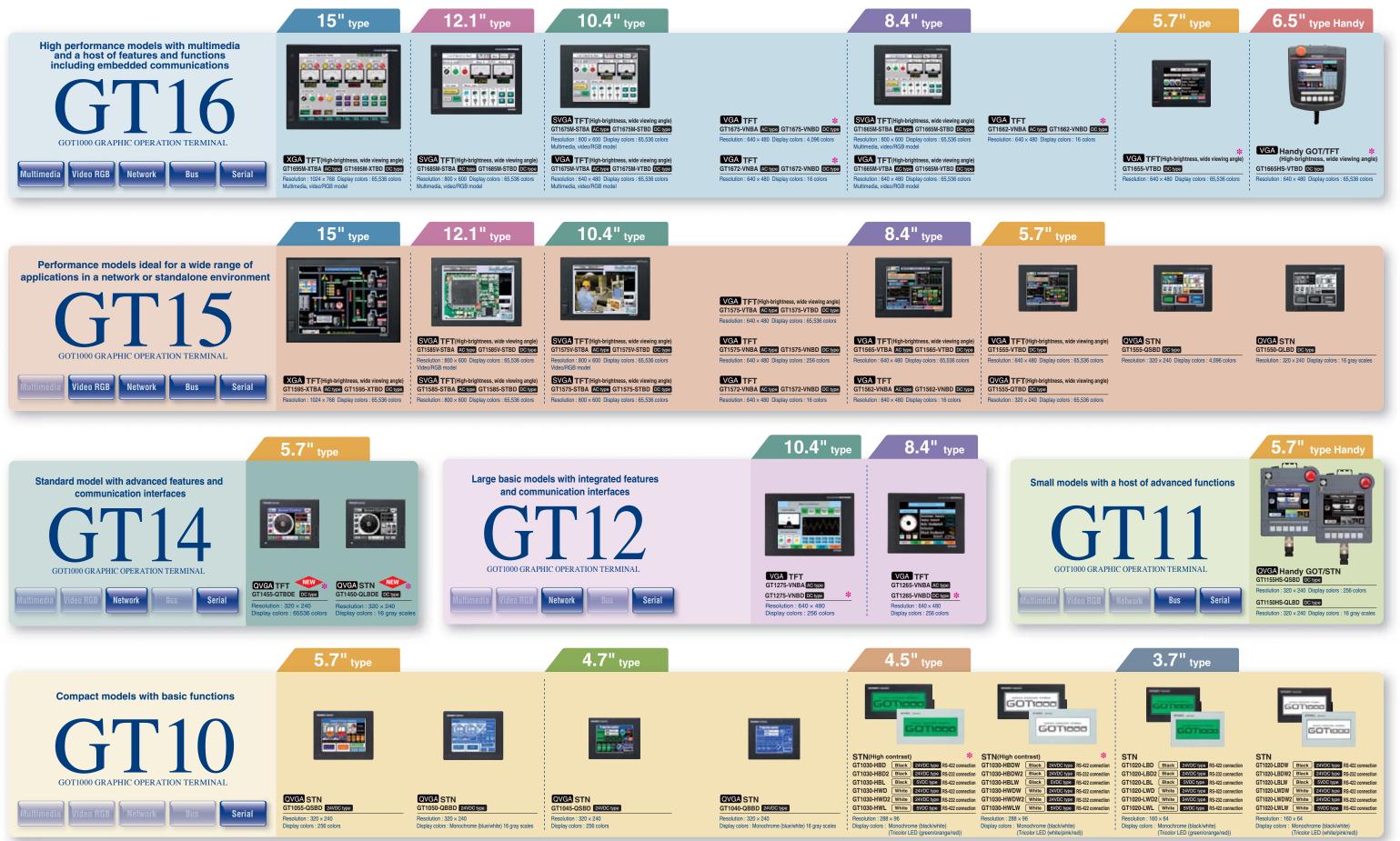
10

FA Solutions

LINE-UP

The GOT1000 series offers six classes of terminals

to fit any system or budget requirement.



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

4

*: The GT16□--VNB□, GT1655-VTBD, GT1665HS-VTBD, GT145□, GT12□--VNB□ and GT1030 high contrast products (GT1030-H□□□□) are not supported by the screen design software GT Works2/GT Designer2.

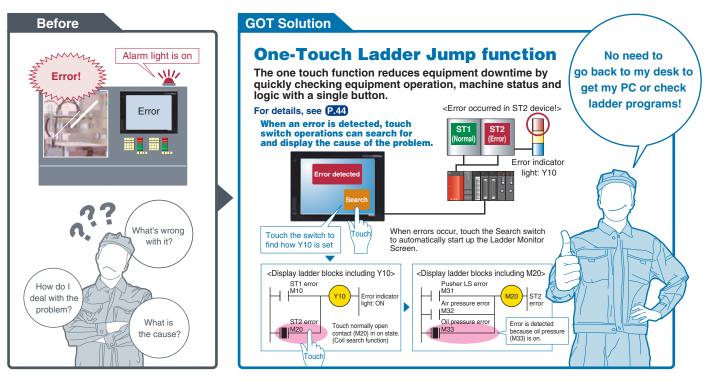


CASE STUDY 1

GOT Solutions Quick response to problems. Easy facility design with the GOT1000 series. Comprehensive solutions to production site problems.

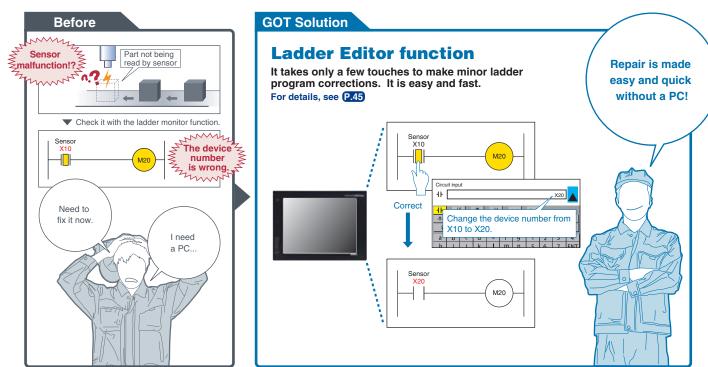
CASE 1

Facility uptime is increased by reducing unexpected errors on the floor.



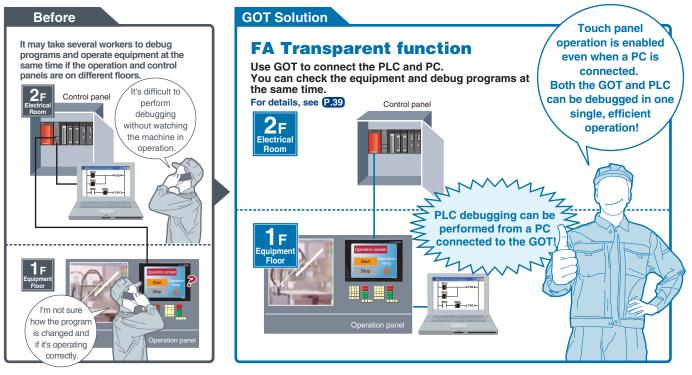
CASE 2

Equipment availability is greatly improved when GOTs are used to quickly edit PLC programs.



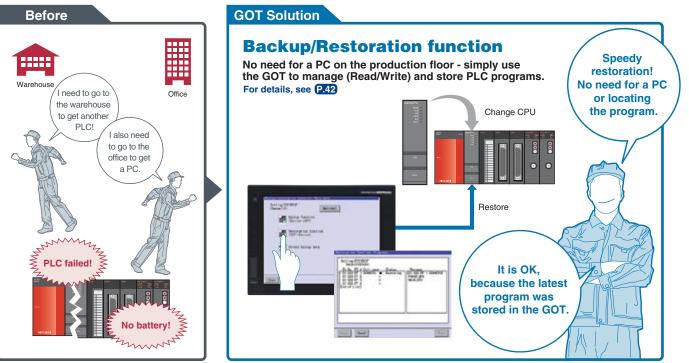
CASE 3

Downtime is shortened when debugging can be performed locally or over decentralized systems.





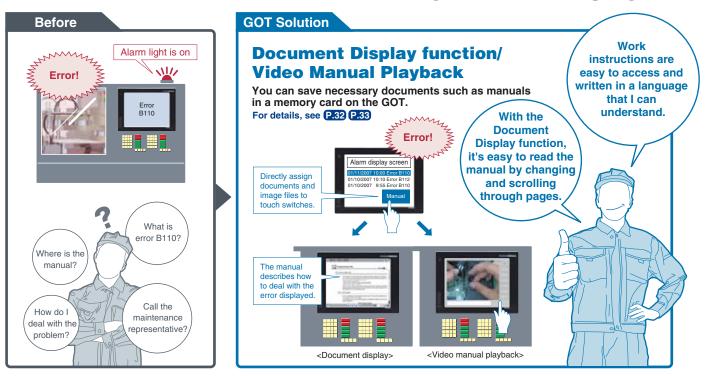
Production efficiency is maintained when the GOT is used to manage product changeovers and maintenance recovery plans.



CASE STUDY 1 GOT Solutions

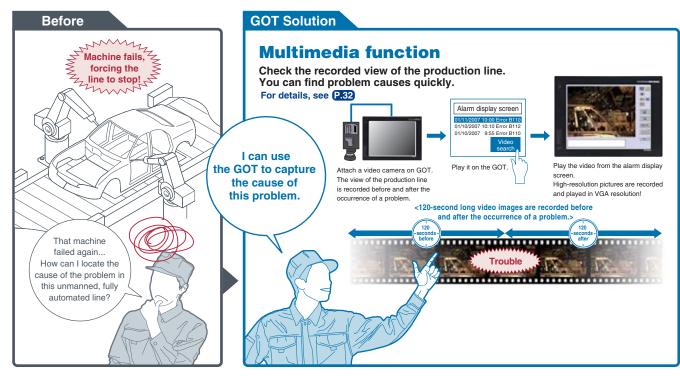
CASE 5

Operator efficiency is improved when manuals and work instructions can be accessed directly from the display.



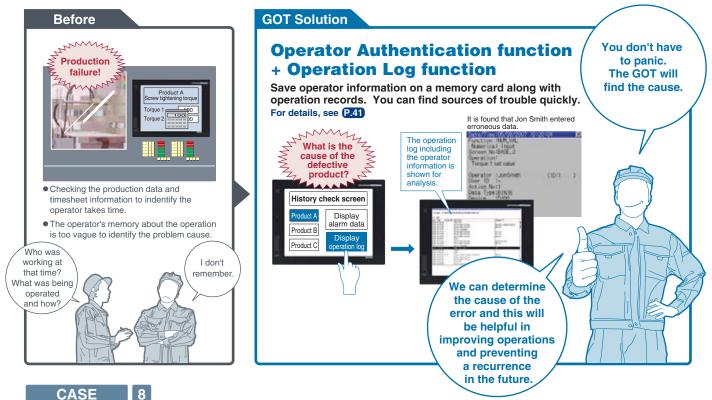
CASE 6

Production quality can be increased when using the GOT to capture and play back real time videos and images.

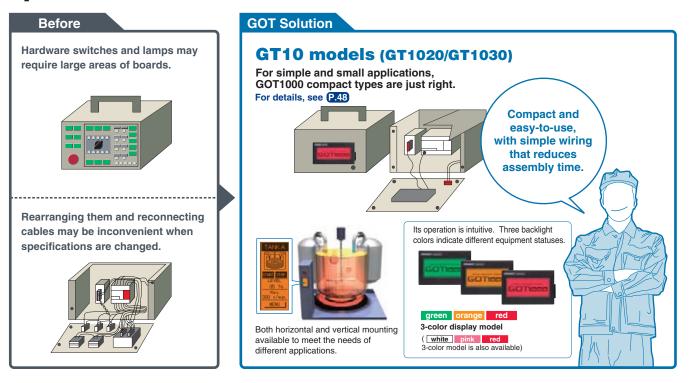


CASE 7

Minimize production mistakes by using the GOT to manage authorization and security levels.



Reduce installation costs by using flexible mounting options.



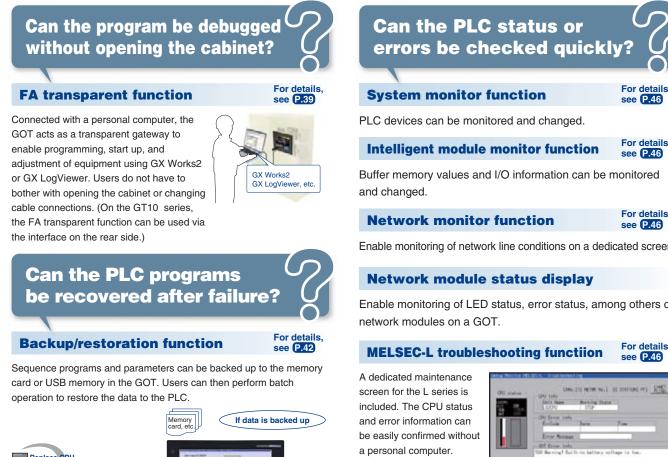


CASE STUDY 2

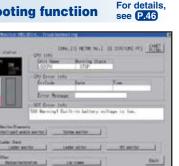
FA Solutions Obstacles are often encountered when using many different types of FA devices. The following problems can be resolved by linking with GOT1000.

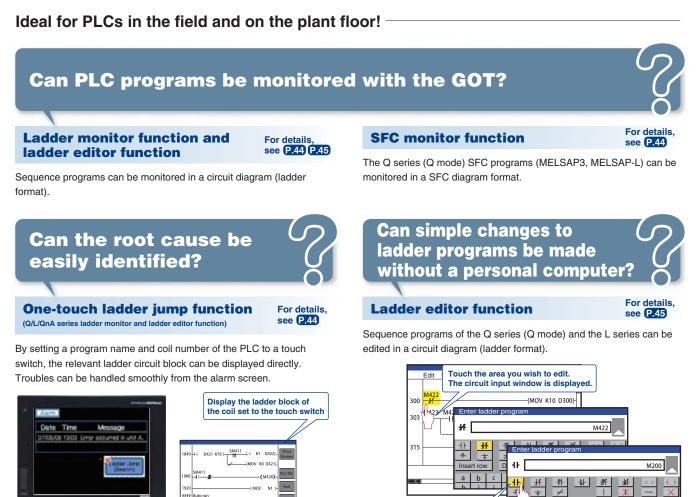


Powerful functionality that is useful during startup and the tuning process!



If a problem occurs, you can jump to a function screen such as the ladder monitor to quickly take corrective actions



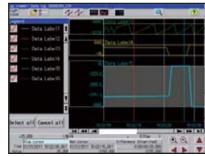




Using the MELSEC-L series or high-speed data logger module!



displayed on the GOT.



10



For details see P.46

Buffer memory values and I/O information can be monitored

Enable monitoring of network line conditions on a dedicated screen

Enable monitoring of LED status, error status, among others of

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	Of Dres (sty Archite June June
U	Termer Mennam ANT Depuer John SON New York Table Devin battlery wellings in Jun-
ni in Nare Si Liarit ed	
alle Dati Later av	ether
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Circuit symbol: Changing from normally closed contact to normally open contact Device: Changing from M422 to M200.

Monitoring batch control!

Can Process and Batch monitoring be simplified?

Building a process control system using GOT1000

PX Developer creates GOT process control screens automatically

The automatically generated data can be used for both the GOT (worksite) and

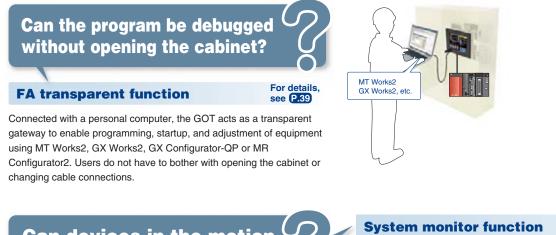
GT SoftGOT1000 (monitor room), and therefore monitor screens can be created efficiently



For details, see P.26 P.51



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



Can devices in the motion controller be validated?



Motion controller devices can be monitored and changed.

For details

see P.46

For direct connection of servo amplifiers to GOTs!



For details see P.47 Servo amplifier monitor function

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

19-34-A	Serve sep.Montto	r [00t]	Nets End
Cupulative feedback	-1061002 pulse	Within one-	4006306 pulse
Servo notor spood	0 r/nin	ABS counter	-627 rev
Droop pulans	I pulse	Load to motor	7.00 times
Cupulative openand	0 pulse	Bus voltage	310 V
Constand pulse	0 ktps	Encoder Internal	70 BB
Analog speed	-0.05 V	Settling time	2 #8
Area log, tor que command voltage	0,00 V	Section Presence	0 Hz
ratio	2.0	Tough drive times	9 tipes
Effective load	0 x	Unit power comculation	10 W
Peak load ratio	0.7	Unit total power	10 Mh
Instantareous	0 %		

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



changing of servo parameters, and display of errors on the screen.



Can motion profiles be recovered after controller failures?

Embedded functionality for positioning modules/simple motion modules!



Buffer memory values of modules such as the QD77MS and $\ensuremath{\text{I/O}}$ information can be monitored and changed.





Preaf mode main	2 DIND20 3 D2011- 4 //Select	D20103HFF data Detailed wind FEDC BA98 7654 32 H0000	 K(±)	
F100 G102 • Position holding point when X0=CN and	M2001=OFF.	Change speed		

Backup/restoration function

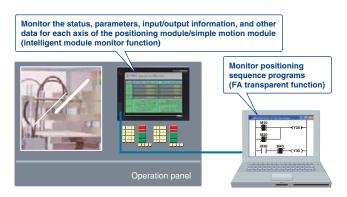


FA Solutions

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

Other convenient uses!

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





Ideal for inverter startups and operation!

Can connections to the inverter be simplified?

Directly connect inverters

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

FREQROL-A700 inverters can automatically configure the communication parameters for GOT connection, making connections easy.





FA transparent function

For details, see P.39

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



Ideal for inverter operation!

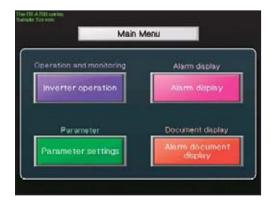
Can the inverter status be monitored on the GOT?



Can inverter parameters be changed easily?

Ready-to-use sample screens

Sample screen data for specifying parameters is available.





Easy-to-understand display

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

Example of GT1020 parameter screen

0. Torque Boosto123.5% 🕅	ENU
1. Max Frequency 012. 45Hz	Set
2. M i n FrequencyO12.45Hz _R	ange
3. Base Frequency012.45Hz Set Param Within INV Range	EXTI

Example of GT1030 operation screen

Recipes	unning OFrror Op	eration
Current Menu	Convair Running	START
Fried	CONVAIL PRAIMINE	CTOD
		STOP

Pa	aramete	r settings	
0 Torque boost	0123.5%	Discourses the second second	olajara 012.45e
1 Maximum frequency	012 45H	21 Acceleration/de	celeration 012345
2 Milimum frequency	012.45%	22 Stal prevension oper	atonievel 0122.55
3 Base frequency	012.45Hb	The present our statute pre-	and the second states and states
4 Muth-speed setting frigh apreci-	017.45Hz	24 Millispeed action	a (screed 4) (112, 45H
5 LAUS cored setting (middle spend	012.45%	25 Milti-speed settin	a (weeked 5) (012, 45H
6 Makesend anting few spred	DID ARee	26 Millispeed settin	a (toeed 6) at 2.45K
7 Acceleration time	0125.55	27 Multi-speed settin	a (wowed 71 012, 46H
8 Deperation time	0121.55	45 Up-to-frequency (sessitivity 0123-59
a Electronic thermal Oil, relay	012.46A	Worked Insurence whether for	newsenighter 012,45m
ICC, Electric Service Specifics Registery	012.45Hz	54 FM3eminal function	orrection 012345
IT DC injection to also operation time	0128-56	10 Enverge saving cooper	antecture (012345
12 DC rueston brate specular vortage	0122.5%	The section and the section	Automation 012545
15 Starting frequency	012.45HE	78 Revenue natation arous	otes assessed p13346
14 Load pattern selection	012345	81 Number of Instor	poles 012345
15 Jog frequency	212,0545	155 AM terminal function	
14 Jog access abore decent abore the	0123.56	000 Energy saving contr	statesten 012545
		Alara displi	W Main neros

Alarm display				
Alarm information	-Batch monitor display-			
Latest alarm E.OC				
Second previous starts E.OC	Output frequency 012,34Hz Output current 0,12A			
Third previous alarm E.OC				
Fourth previous same E.OC	the providence of the statement of the stat			
Fifth previous alarm E.OC	2 Str Running speed 0123 cr/min			
Sieth previous alarm E.OC	Barry Demonstration heater date 010 4 m			
Seventh previous alarm E.OC	WI Clusterede stressed sales A10 IV			
Eghth previous alarm E.OC	APPE LASTAR AVAILATIAN AUMANT OT 24			
1.00	Motor load factor 0123.5%			
road Marg definition	Motor output 012.45k			
	SEE Cumulative energization 01234 h			
	Slars decised Bain ment			



Powerful functions for robotic systems!

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



23456

panel operations

Consolidate and centralize robot monitoring and control functions on production floor using the GOT

Even if a teaching box is not available, the GOT can be used to operate the robot and easily check the current position data and error details. Consolidating panel operations into the GOT improves operation and maintenance work efficiency.





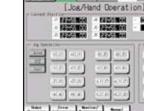
engineering software



Ideal for robot programming!

Can the robot program be easily accessed?





Robot operation panel screer

UP A LON Y ain Menu is



Robot load rate/current value monitor screen

Robot maintenance forecast scree

Can the program be debugged without opening the cabinet?

For details

see P.39

FA transparent function

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



In the event of trouble!



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



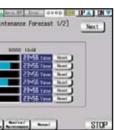


Ready-to-use sample screens

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

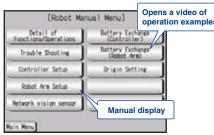


Robot jog/hand operation screer





Robot current position monitor screet

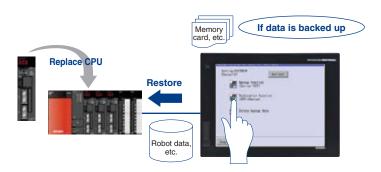


Robot manual menu screen





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





Powerful function for CNC startup, machining and changeover!



The CNC C70 can be monitored and the parameters can be changed



Can CNC devices be easily validated?



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

CNC data I/O function

For details see P.47

For details

see P.46

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

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Actuals	6-	
	SARPEON SARPEON 1, PRG 2, PRG 3, PRG	SMP-EDD SMP-EDD 1,996 2,996 3,995 3,995 Mens.sha

System monitor function

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

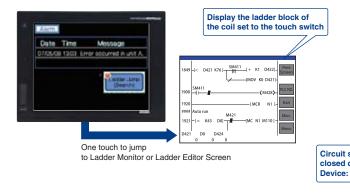
Can the parameters be checked or changed without opening the panel?

Ideal for CNC programming!

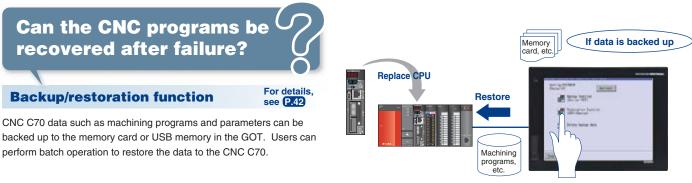
Can CNC programs be validated directly from the GOT?



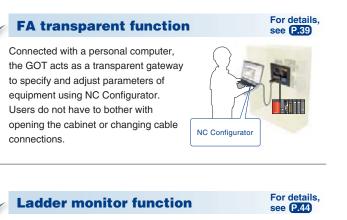
By setting a program name and coil number of the CNC C70 to a touch switch, the relevant ladder circuit block can be displayed directly. Problems can be handled smoothly from the alarm screen.



In the event of trouble!





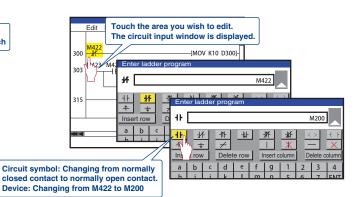


CNC C70 sequence programs can be monitored in a circuit diagram (ladder format).

Can programs be changed easily without a personal computer?

Ladder editor function

Sequence programs of the CNC C70 can be edited in a circuit diagram (ladder format).



FA

Solutions

For details see P.45



Powerful functions for vision systems!

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

products be connected?

Displaying the In-Sight Series processing results on the GOT

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



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

Ideal for configuration!

Can vision parameters be changed from the GOT?

[Alignment screen]

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

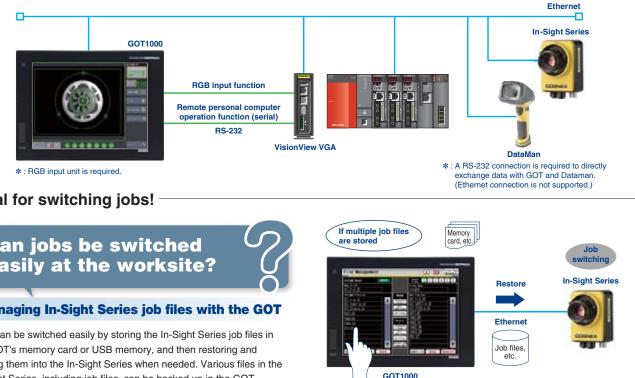
[Inspection screen] The results of workpiece inspections carried out with the In-Sight Series are displayed. The workpiece detection threshold can be changed.



Inspection
Inspection Result
Result: PASS
Job Result
Durgs Paraleter Brokeld 1501
1

Ideal for monitoring operations!

Can vision applications be handled easily at the worksite?



Ideal for switching jobs!

Can jobs be switched easily at the worksite?

Managing In-Sight Series job files with the GOT

Jobs can be switched easily by storing the In-Sight Series job files in the GOT's memory card or USB memory, and then restoring and loading them into the In-Sight Series when needed. Various files in the In-Sight Series, including job files, can be backed up in the GOT.



FA Solutions

Ready-to-use sample screens

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

[Code recognition screen]

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

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Beaulty 2005	600			See Lo
Job Result:	PHOSE			Availa
Watch String S	etting			
MARINE.	ABC5600	_		

Displaying In-Sight Series vision applications on the GOT

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

GOT1000 GR APHIC OPER ATION TERMINAL

Hardware

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



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

Options

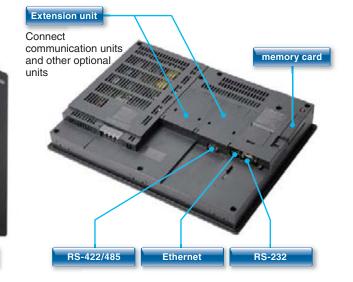
den/RGR

I/O un

• 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□,







• 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.^{*}
- *: GT1585V/GT1575V only



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



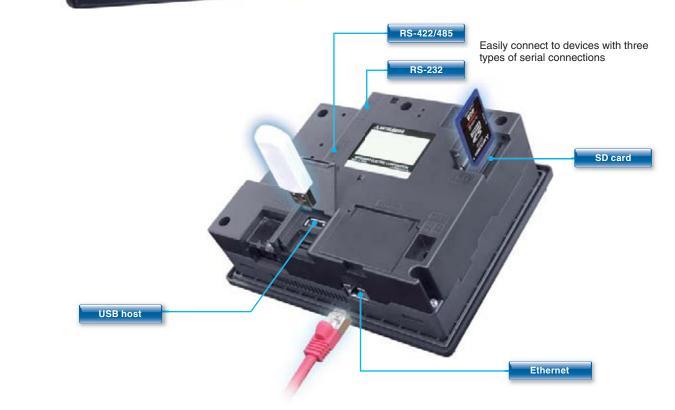
memory card





- standard interfaces.





See "Specifications" (page 52 to page 60) for details of each hardware model.



Standard model with advanced features and communication interfaces

Hardware GOT1000 GR APHIC OPER ATION TERMINAL

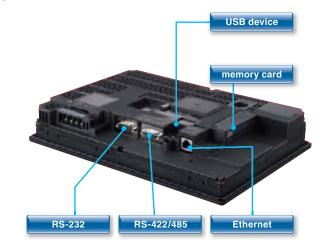
GOT, available in a variety of compact bodies, is packed with GOT1000 functions.



Large basic models with integrated features and communication interfaces

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





For details about the functions of GT10 models,

GT1055/GT1050/GT1045/GT1040

• RS-422/485 and RS-232 interfaces are supported as standard interfaces.

Compact models with basic functions

GT1030/GT1020

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



• User memory capacity: 3MB

• USB device port is included.



see "GT10 (pages 48, 49)"



palm of your hand



Use a personal computer or panel computer as a GOT.



GT SoftGOT1000

Software

GOT1000 GRAPHIC OPERATION TERMINAL

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

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

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

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

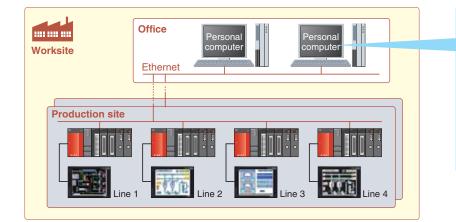
GT SoftGOT1000 Version3 is software included with the GT Works3 suite. A separate license key is required for use

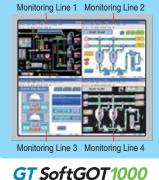
Monitor the production site from a remote location

Reduce downtime

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

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





SB port license ke

Connect with MELSEC process control for process control applications

RET TAAAAAAAAAAAA

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

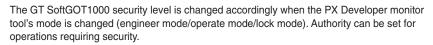
PX Developer window screens and other tools

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

GT SoftGOT1000 touch switch/object

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

Security collaboration



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++[®]/Visual C#[®]/Visual Basic[®] included with Microsoff[®]Visual Studio 6 0/ NET (2002)/ NET 2003/2005/2008

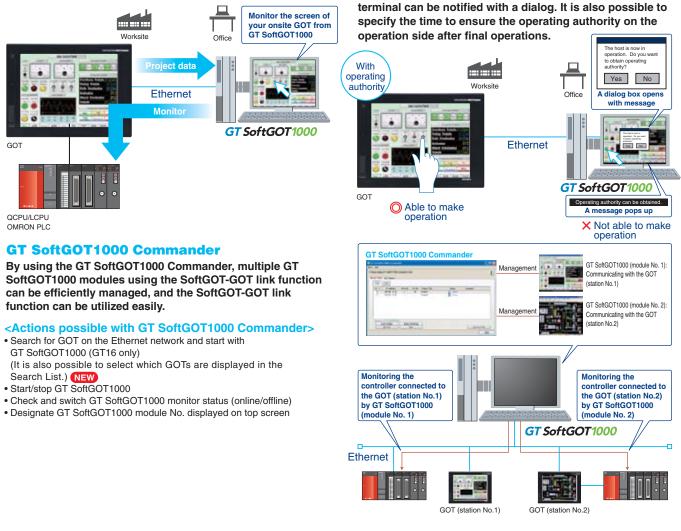
Embarcadero[®]C++Builder[®]XE

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

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. GOT and OMRON PLC can be connected via Ethernet connection.





Connect to various devices

The GT SoftGOT1000 can be connected to the Mitsubishi PLC, other PLC brands, MODBUS[®]/TCP slave devices. *: See "List of connectable models" (page 69), for more details on supported models of other manufacturers.

Connect to RFID or barcode reader and input numerical values or ASCII characters.

Prevent simultaneous operations from GT SoftGOT1000 and GOT

Operation of an input object (e.g. touch switch, numerical input) is allowed by either GT SoftGOT1000 or the GOT, whichever has operating authority. If one terminal does not have operating authority, the status of the operating authority can be displayed in a pop-up window. Whether it is possible to acquire operating authority from the other

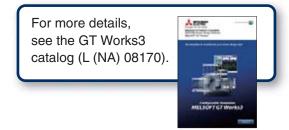
Software

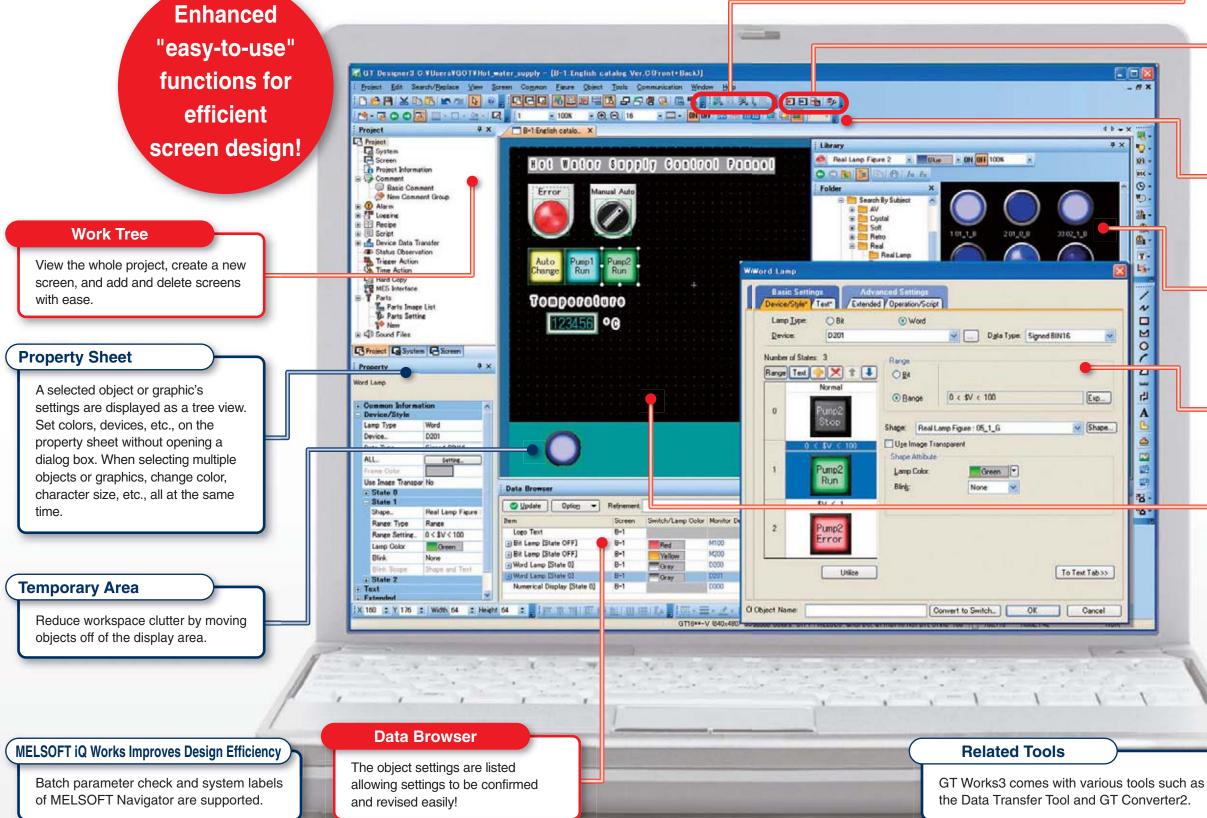
More intuitive. No more wasted time. The screen

design software optimized for usability.

GOT1000 Screen Design Software

MELSOFT GT Works3







Simulator

Preview operation without connecting to a GOT.

Communication with GOT

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

Tool Bar

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

Library

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

Dialog Box

User-friendly dialog boxes and object settings.

Editor <Screen Design Area>

Many convenient and efficient development functions are included!

New functions improve your screen design efficiency than ever before!

- Use "templates" to greatly reduce your screen creation time!
- Make batch changes with a single right-click!
- Register parts with a single right-click!
- Easily create addition and subtraction word switches!

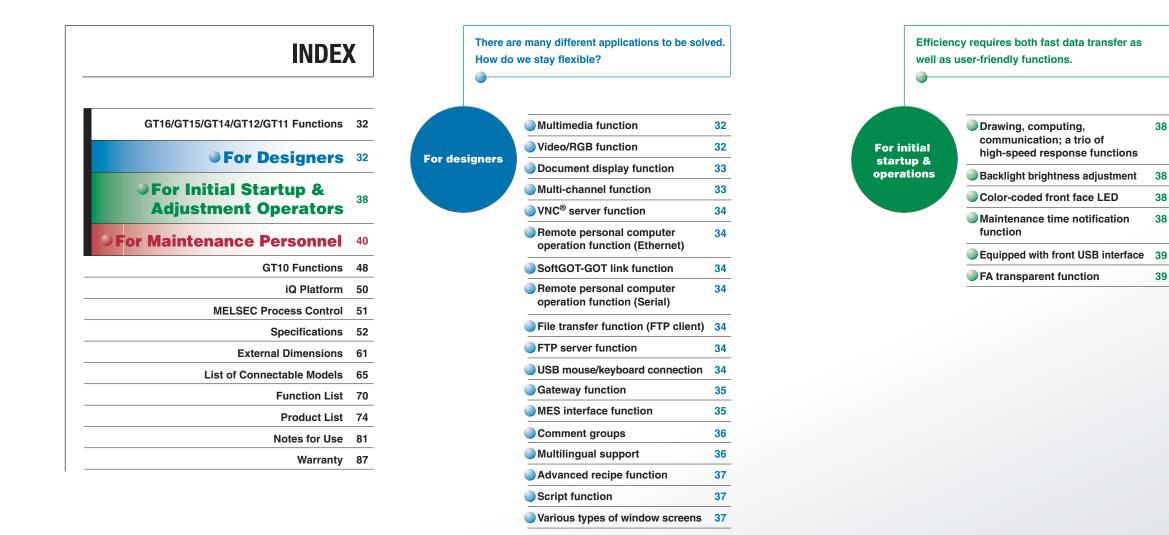
User (OEM/End User) Security Function!



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.







To restore a system as quickly as possible, response capabilities for "just in case" situations are the key to selecting a HMI display.

For maintenanc personnel

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Logging function/ historical trend graph/ historical data list display	40
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The functions bearing these marks are available on the GT16, GT15, GT14, or GT12 model. All other functions are supported by GT16, GT15, GT14, GT12, and GT11 models

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Freedom to utilize advanced display functions to enhance the GOT

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



Multimedia function

Recording audio and video, displaying input images

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

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



High resolution recorded image (standard mode)

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

Playing back motion image files

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

- The motion image recorded on site is saved in the memory card of the GOT's multimedia unit and can be played back immediately after being recorded.
- The motion image files saved in a memory card can be played back by selecting the file name or record date (NEW) with a touch switch or in the multimedia screen on the GOT main unit.
- The files can be sent to your personal computer over the Ethernet interface of the GOT's multimedia unit and can be viewed on the 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



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



GOT 1000

For additional recording time (extended mode)

- Over two days of video can be recorded.
- Video size QVGA (320 × 240); frame rate 15 fps
- Possible to either delete saved motion image files or save them when starting a new recording. (NEW)

Displaying input images

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



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

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

The multimedia interaction tool and multimedia interaction 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 81).

Displays PC images on the GOT <RGB input>

- Images on a personal computer display screen appear on the GOT simultaneously with the GOT's screen. RGB input
- of up to 2 channels is available when using the GT16M-R2.
- The display size can be changed, and the clip display is available. (For GT16 only)

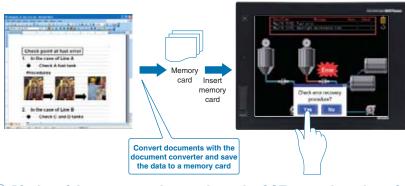
Display the GOT screen on a display <RGB output>

- Connect to a commercial display so that the GOT screen can be displayed larger.
- * Not supported by GT16DD-VNBD_GT1655_GT16 Handy
- Only one of the following devices can be used on the GT16 at one time: video input unit, RGB input unit, video/RGB input unit, RGB output unit, or multimedia unit,
- Contract 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



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



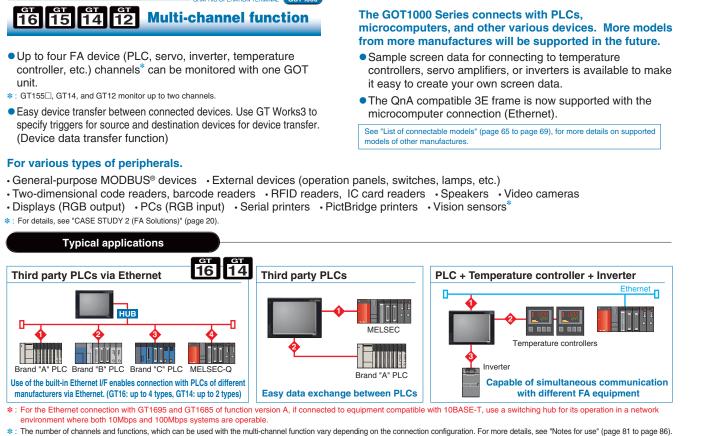
Display of documents and manuals on the GOT can reduce downtime.

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

Central storage of FA device information on a single GOT terminal



- unit.
- (Device data transfer function)



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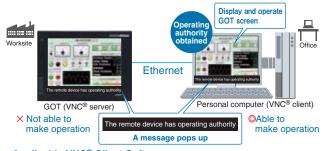
- Pages can be changed, scrolled through, enlarged or reduced, and multi-page documents can be displayed.
- The document converter that comes with GT Works3 is used to format documents to be displayed and save them to a memory card as JPEG files.
- Supported file formats : doc, xls, ppt, pdf, jpg, bmp



Operate the GOT at a remote location from a personal computer in your office



- The screens of a GOT at a remote location can be viewed and operated from a personal computer in your office.
- Operating authority control prevents problems that may occur during simultaneous operations from a GOT at a worksite and a personal computer in a remote location. Available password setting allows control of who can view and operate the GOT.



<Applicable VNC® Client Software> Software name: Ultra VNC version 1.0.8.2 is recommended Manufacture name: UltraVNC team * : A license key (GT16-VNCSKEY) is required

Monitor the screen of the onsite GOT from your PC screen

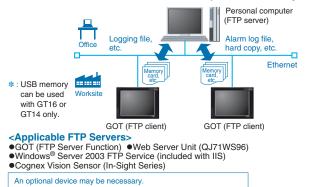
16 15 SoftGOT-GOT link function

- 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.
- By using the GT SoftGOT1000 Commander, multiple GT SoftGOT1000 modules using the SoftGOT-GOT link function can be efficiently managed, and the SoftGOT-GOT link function can be utilized easily.
- * Only CH1 can be monitored when GOT is connected via multi-channels. GOT and OCPLI// CPLI can be connected by a bus connection, direct CPU connection, computer link connection, or Ethernet connection. GOT and OMRON PLC can be connected via Ethernet connection.

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

Files can be sent and received between a GOT and a personal computer

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



For details, see "Selection of optional units and devices" (page 81).

Operate a remote PC from an onsite GOT

Remote personal computer operation function (Ethernet) (VNC® client function) 16

GOT 1000

- 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 interface.



Not supported by GT16DD-VNBD, GT16 Handy * : The license key (GT16-PCRAKEY) is necessary

Operate a personal computer from the GOT touch screen

Remote personal computer



• 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).



*: Not supported by GT16DD-VNBD, GT1655, GT16 Handy Supported only on the GT1585V and GT1575V models in the GT15 series

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

Files can be sent and received between a personal computer and a GOT

16 15 14 12 **FTP server function**

- By using a personal computer, files (alarm log files, hard copies, etc.) stored in a GOT's memory card and USB memory NEW can be sent to or from the GOT.
- *: USB memory can be used with GT16 or GT14 only.
 *: This function is a part of the Gateway function. For how to select optional devices, see the section about the Gateway function.

Connect your mouse/keyboard to the front USB interface GOT 1000

16 14 USB mouse/keyboard connection

• In a user-created screen, you can use your mouse to click touch switches and your keyboard to enter ASCII characters and numbers. * : Not supported by GT16 Handy

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

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

GT GT GT GT GT 16 15 14 12 **Gateway function**^{*}

*1 : GT12 supports only the FTP server function

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

1 Collect data on a personal computer (server function)

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

2 Monitor other GOTs from a GOT (client function)

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

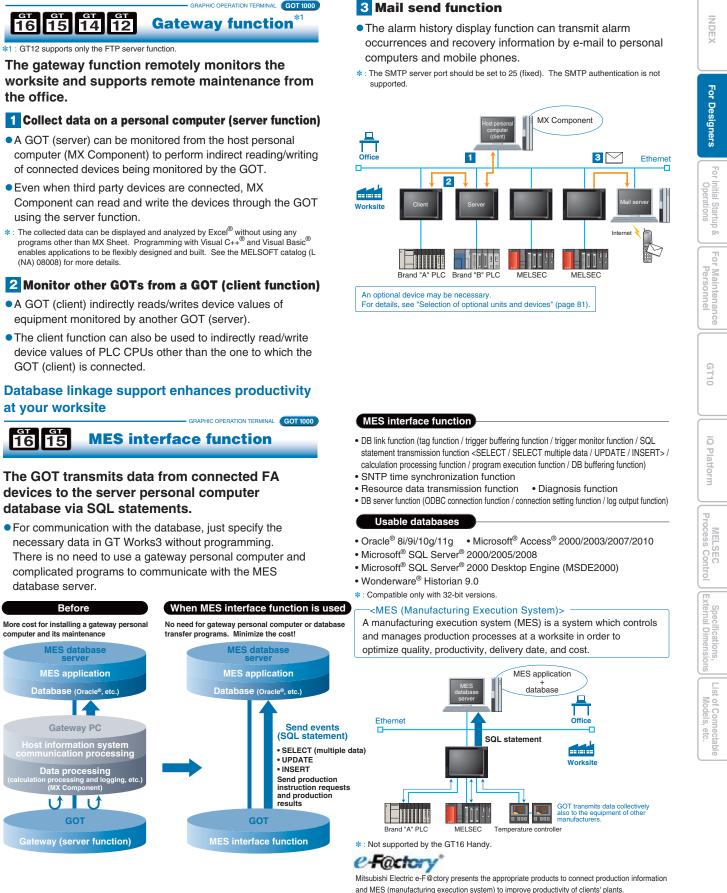
Database linkage support enhances productivity at your worksite

16 **15 MES interface function**

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

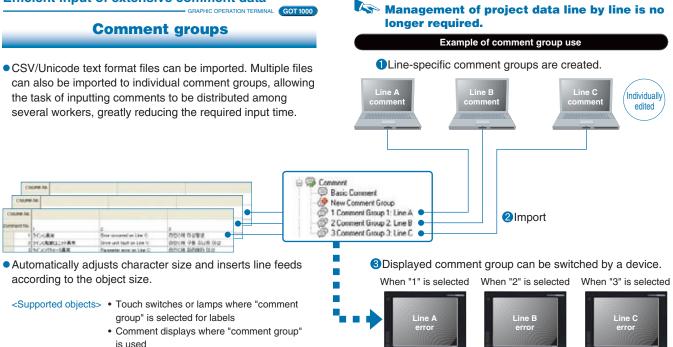
• For communication with the database, just specify the necessary data in GT Works3 without programming. There is no need to use a gateway personal computer and complicated programs to communicate with the MES database server.

Before



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

Efficient input of extensive comment data



燃料を確認してください。 Confirm remaining amount of fuel,

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

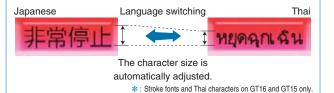
Easy creation of multilingual screens

Multilingual support

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

Convenient for language switching

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.

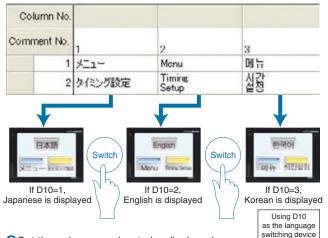




Example of switching between Japanese, English, and Korean screens

2Import

1Use comment groups to create Japanese, English and Korean comments in their respective columns.



2 Set the column number to be displayed in the language switching device.

3 The displayed comment (language) changes.

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

Easily create complex recipe data



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

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

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

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.

For better work efficiency and enhanced customization functions

Script function

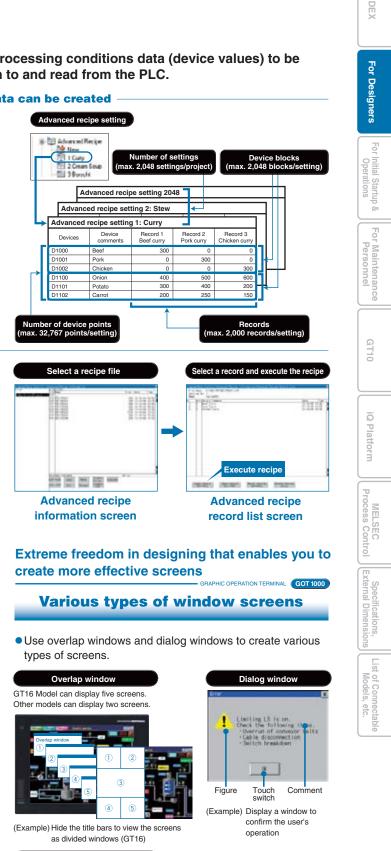
GOT 1000

Project script/screen script

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

Object script (For GT16/GT15/GT14 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.



Key window

There is no need to create keypads for numerical input and key windows for ASCII input When using a QVGA model, the key window screen size can be set from small to large. When entering ASCII characters, you can switch windows to display character selection windows.

Standard functions to provide users with

straightforward operation



As of March 2012

The monitor screen includes about 250

GOT 1000

points of word devices

GT15 GT16

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

Dramatically improved GOT overall response

Drawing, computing, communicationa 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 65 to page 69).

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 screen.
- By using the script function or the status monitor function, you can automatically adjust the brightness according to conditions.



[Using MELSEC Q series]

Bus connection

Computer li

MELSECNET/H connection

CC-Link Ver.2(ID connection)

CC-Link IE Controlle

Ethernet connection

FX direct connection

CC-Link IE Field

CPU direct

GT16/GT15 response performance comparison

Easy-to recognize backlight state

Color-coded front face LED

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

[Power LED: Color-coded message]

-		01	
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



• 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, touch keys, and built-in flash memory

Warning! Backlight needs replacement soon.

For details, see "Selection of optional units and devices" (page 81).



Easy data transmission without opening the cabinet

Equipped with front USB interface*1

*1 : Back face layout for GT12.

USB device (Mini-B)

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



* : To connect the GOT to a personal computer, use the dedicated USB cable. For more details, see "Product list" (page 74 to page 80).



 With USB environmental protection cover installed (standard feature) (1967)*

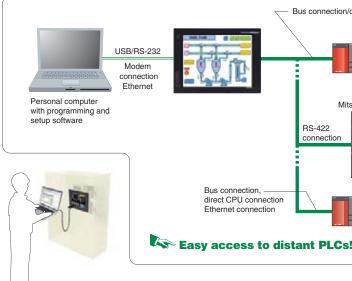
 * : This does not guarantee protection in all users' environments.

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 interface)
- The FA transparent function can be used when a GOT and a personal computer are connected via USB, RS-232 or even using an Ethernet connection. (Supported only by GX Works2, MX Component/MX Sheet, MT Works2, MR Configurator2)
- When a GOT is directly connected to a FXCPU (CC-Link master station), CC-Link slave stations can be accessed

from a personal computer. NEW (Connection between the GOT and the personal computer is USB or RS-232)



For initial startup & operations



CC-Link Controller Network, etc

Mitsubishi servo amplifie

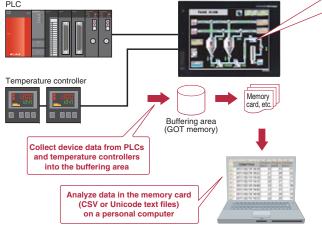
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The GOT provides complete traceability for safe and secure operation

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



- Collecting data from temperature controllers and other units with the GOT can reduce the load on the PLC.
- Logging data is saved in the built-in SRAM even during a power failure. (For GT16/GT14 only)



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

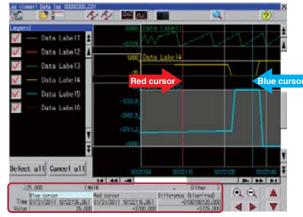
	GRAPHIC OPERATION TERMINAL	OT 1
16	Log viewer function	

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.
- •The collected logging data can be searched for by time or index No. and displayed.



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

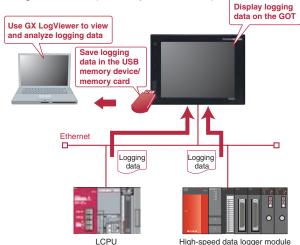
Display with graphs Historical trend graph After collecting data with the logging function, you can 14:30 display the data in a time series. Scroll the view or specify the time so that Conse Constr Constr 1959 Zoon State No. Conse A A Conse M Conser Collin Collin Collin Collin Ipedia you can check necessary data easily. Logging data to be displayed can be specified indirectly. Display with values Historical data list display 1/02/1



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

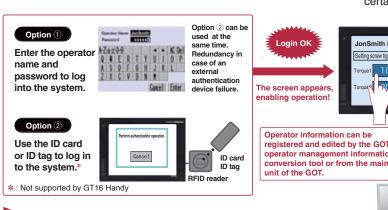
Logging data can be collected without opening the cabinet -

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



Enhanced security system using password control





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

Very helpful for identification and analysis of causes of incorrect operation RMINAL GOT 1000



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.



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

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



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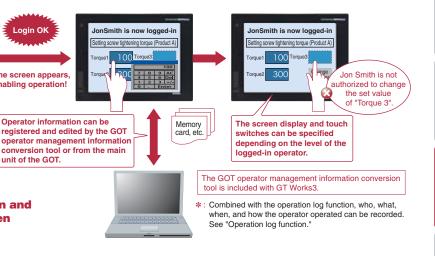
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- Two options are available for authentication of operators when the system starts or the screen changes.
- You can define various triggers, for example, to force operators to log out of the system automatically when a certain screen appears.



• 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 memory 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"

Example)

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

and significantly reduce downtime!

Back up important sequence programs for assurance in case of an emergency

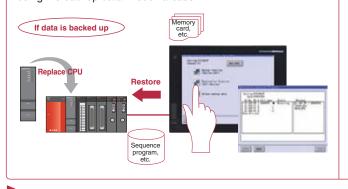
GT GT GT GT GT Backup/restoration function

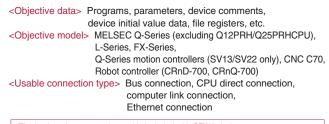
With backup and restore, fear troubles no more

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

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.



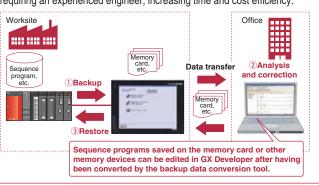


The backup data conversion tool is included with GT Works3 * : The backup data of Q00J/Q00/Q01CPU and FXCPU cannot be converted with the backup data conversion tool. *: Once backup data created with GX Works2 is converted by using the backup

data conversion tool, the data cannot be edited with GX Works2

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.

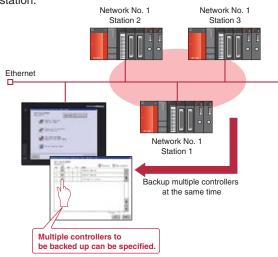


Res PLC CPU programs can be easily changed without a personal computer at the worksite or any previous **GX** Developer knowledge.

*: 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.



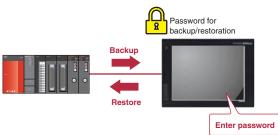
Automatic backup is available

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



Password for enhanced security

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



Clear communication minimizes machine downtime even during an alarm

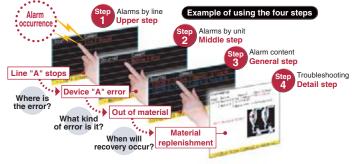


A wider monitoring range protects even large-scale systems

- 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/GT14 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.



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.

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



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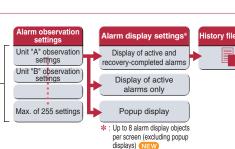
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rm observati for up to 32,767 devices



Group-specific & level-specific displays

	Alar	ms can	be clas		ip and level, with only d.	For Mainten Personn
	Alarm	Group	Level		Transport G alarm display	ne
	MO	Transport G	Mid-level			nance
	M1	Transport G	Mid-level		Transport G major alarm display	ŏ
	M2	Transport G	Mid-level		Decision Connect	
-	M3	Transport G	Mid-level		1727/201 STITUL HIRD-LOUP LEATTAC SECURITIES	
	M4	Transport G	Major	•••••••••		
-	M5	Process G	Major	Combinatión		ß
	M6	Process G	Minor	of level		ΗŤ
	M7	Process G	Minor	& group		T10
	M8	Process G	Minor			
	M9	Process G	Minor		Minor alarm display	
				Level		l

Easy searching with time designation

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

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.

Superior functions and connectivity to reduce

maintenance time

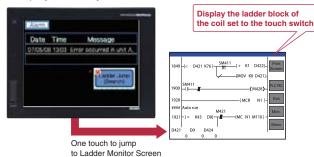
The GOT Ladder Monitor Function is greatly improved with the One-Touch Ladder Jump function

16 15 Ladder monitor function

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

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

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



An over 1997 Constraint
The formulation of the second
Set PLC station No., CPU No., destination device, ladder search mode (coil search/factor search), and program file name. (Example) [Program name: AUTO-L1, Netwo

property dialog.

10

1 44

: Supported by XGA/SVGA/VGA models QS series models can only monitor the

No.: 2. Station No.: 3. M1001

ladder program of a Q/L/QnA.

instance

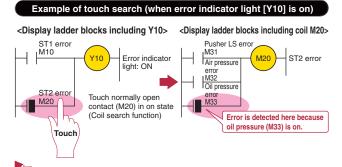
• Select [SP Function]-[Ladder Monitor] from the touch switch

It cannot alter device values, for

FX3G(C) CPU is not supported.

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

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



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

Monitor SFC programs on the GOT to make troubleshooting even easier

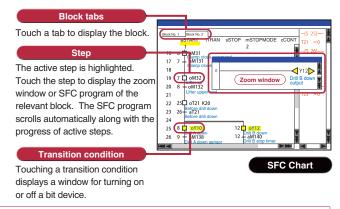
16 15

SFC monitor function

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

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

* : Supported by XGA/SVGA/VGA models.



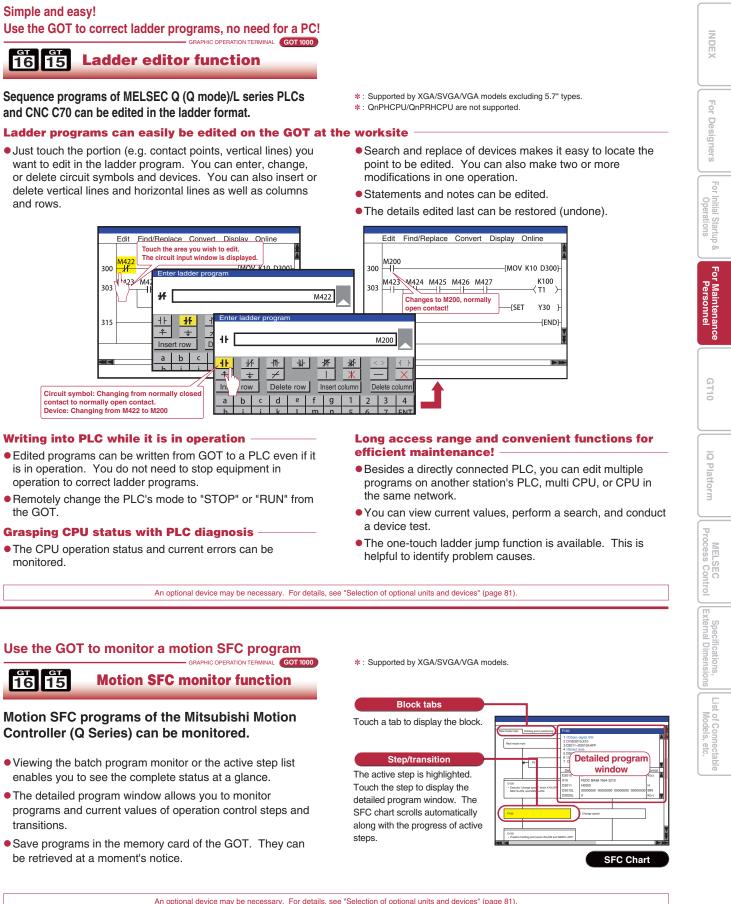
Simple and easy!

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

16 15 Ladder editor function

Sequence programs of MELSEC Q (Q mode)/L series PLCs and CNC C70 can be edited in the ladder format.

• 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.



Writing into PLC while it is in operation

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

Grasping CPU status with PLC diagnosis

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

Use the GOT to monitor a motion SFC program

ат ат 16 15

Motion SFC programs of the Mitsubishi Motion

- 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 transitions.
- Save programs in the memory card of the GOT. They can be retrieved at a moment's notice.

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

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

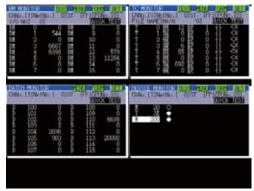


Unique functions designed for Mitsubishi devices

Monitor and change Mitsubishi FA devices

System monitor function

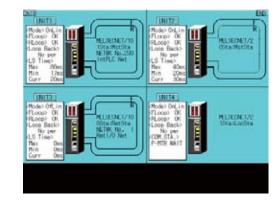
- The devices of PLCs, motion controllers, CNCs and robot controllers can be monitored and changed.
- * : Only monitoring, but not changing device values and other operations, is available with the QSCPU.
- The current values and setting values of timers (T) and counters (C) can be changed.
- The buffer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



At-a-glance monitoring of network status

16 15 Network monitor function

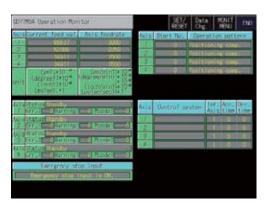
- Enable monitoring of network line conditions of the CC-Link IE Controller Network, CC-Link IE Field Network, MELSECNET/H, MELSECNET/10, and MELSECNET I on a dedicated screen.
- Communication line and information from the host and other stations can be monitored to check the communication status.



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

GRAPHIC OPERATION TERMINAL GOT 1000

- Buffer memory values of intelligent function modules (e.g. QD75MH) and the ON/OFF status of I/O units can be monitored and changed.
- When a QCPU (Q mode), a QSCPU or a LCPU is in use, CPU operating status and existing errors can be monitored by PLC diagnosis.
- The status of the LCPU built-in I/O function can be checked.
- QD77MS, QD73A1, and LD75 are supported. NEW
- *: Supported by XGA/SVGA/VGA models.

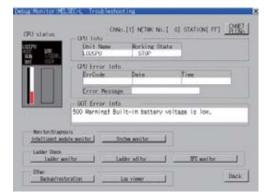


Easy maintenance of MELSEC-L Series

MELSEC-L troubleshooting function

GOT 1000

- 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

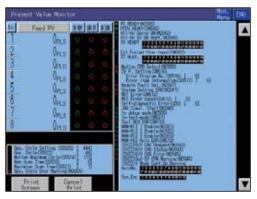
16 15 Q series motion monitor function

• 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>

- Q172DS/Q173DSCPU NEW
- 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 version. Moreover, available functions of the Q series motion monitor vary according to the CPU type or the servo amplifier model.



Save space and cost when no dedicated display device is required



CNC monitor function

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

CNC data I/O function

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



* : Supported by XGA/SVGA models.

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



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GT10

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Easy startup and adjustment of a servo amplifier GRAPHIC OPERATION TERMINAL GOT 1000 GT 15 Servo amplifier monitor function

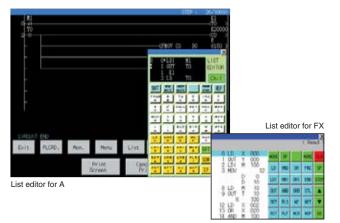
- In a system which outputs pulse strings, the GOT can be connected to a servo amplifier in a serial connection to perform the following operations: set up, monitoring, alarm display, diagnosis, parameter setting, and test operations.
 MR-J4-A is supported. (NEW)
- * : Available monitoring functions vary according to the servo amplifier type.

Servic asp.Montto	r [.00t]	Retty End
-1061092 pulse	Within one-	4006306 pulse
0 r/min	ABS counter	-627 rev
I pulse	Lond to motor	7.00 times
0 outse	Bus voltage	310 V
0 kbps	Encoder: Internal	50 v;
-0.05 V	Settling time	2 #1
0.00 V	Oscillation detection frequency	0 Hz
2.0	Tough dreve times	9 times
0 x	Unit power comcuted ion	10 w
0.7	Unit total power	10 Mh
0 %	() () () () () () () () () ()	
	-1061002 pulse 0 r/min 1 pulse 0 suitse 0 ktpp -0.05 V 0.00 V 0.5 0 X 0 X	-1061002 pulse 0 r/min 0 r/min 0 r/min 1 pulse Long to motor 1 pulse Long to motor 0 pulse Pulse voitage 0 blogs 0 blogs

Convenient method for minor program changes onsite

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.



Powerful features even down to the most basic

GT10

Various screen sizes

GOT 1000

- GRAPHIC OPERATION TERMINAL

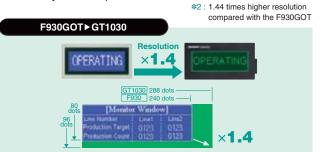
The GT10 now offers a line of models with 5.7" and 4.7" screens, enabling more flexible screen layouts. The 4.5" and 3.7" wide screen models are also available with a white frame.

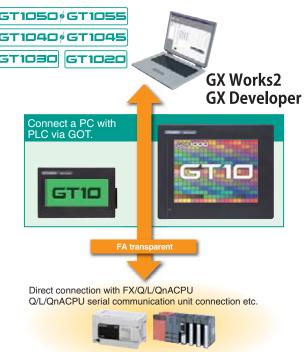


• QVGA 320 × 240 dots in each model

GT1030

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





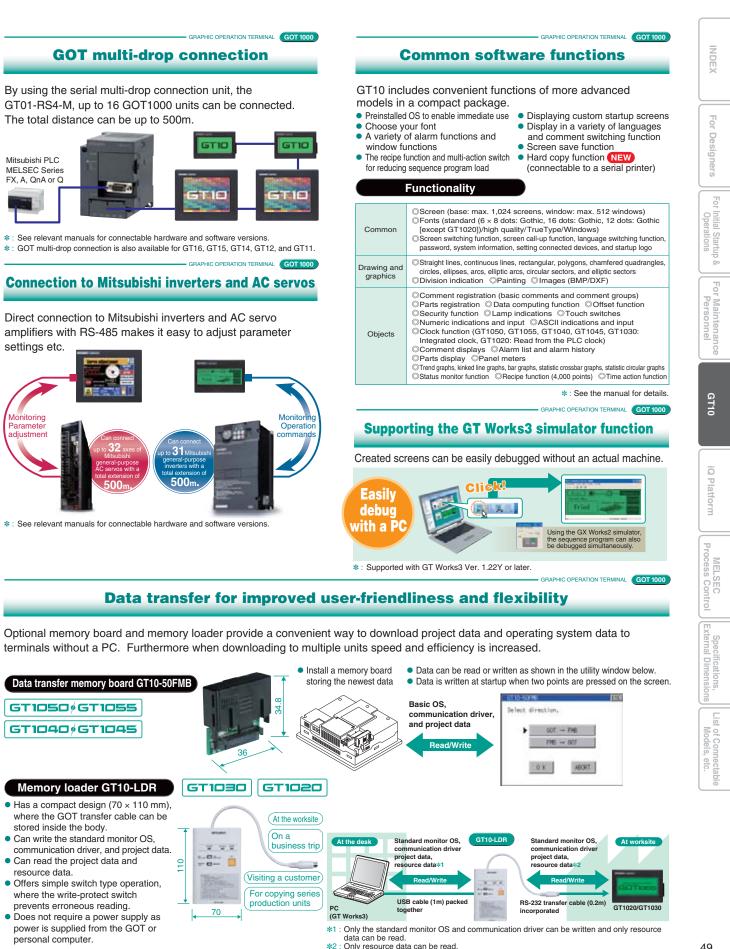
By using the serial multi-drop connection unit, the GT01-RS4-M, up to 16 GOT1000 units can be connected.



* : See relevant manuals for connectable hardware and software versions

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





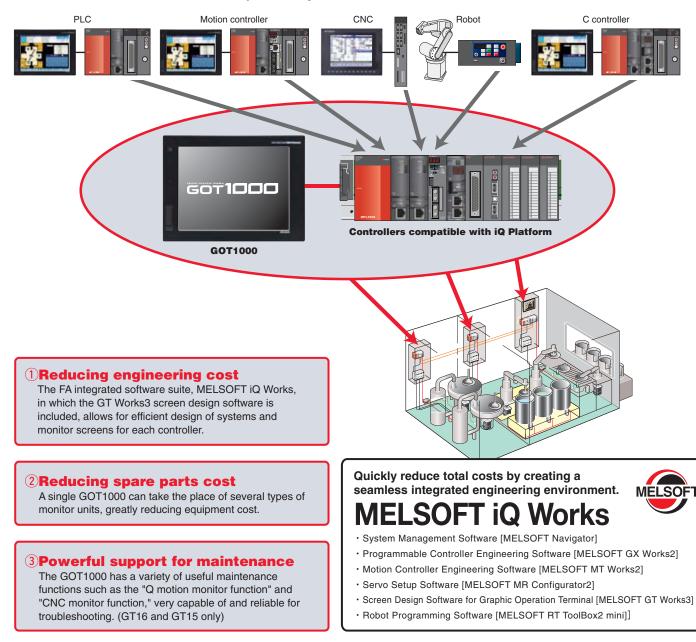
Real-time multi CPU access with the iQ Platform



"iQ Platform," the next generation integrated platform integrated Q improved Quality intelligent & Quick innovation & Quest

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

PLCs, motion controllers, CNCs, robot controllers, and C controllers are integrated into one as controllers compatible with the iQ Platform. The GOT1000 integrates different types of monitor units that were previously connected to each controller.

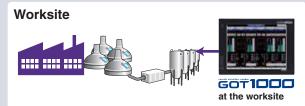


Create an easy-to-operate process control system. GOT1000 flexibly ties into process control. **MELSEC** PROCESS CONTROL MELSEC will change process cont From dedicated systems to PLCs. MELSEC will change process control. "MELSEC process control" is used in a wide range of applications from device process control to plant process control. The GOT1000 can be used as the monitoring interface. When used together with Mitsubishi FA devices, outstanding integration allows a high-performance process control monitor system to be created easily. Four benefits that MELSEC process control and GOT1000 (GT16/GT15) can offer. $oldsymbol{1}$ PX Developer creates GOT process control monitor screens automatically Based on the information such as tags defined by PX Developer, process control monitor screens for the GOT can be created automatically, greatly reducing the time required for screen design. GT Works3 can then customize the automatically created screens. By using the GT Works3 simulator function and GX Simulator, the operation of programs and screen data can be confirmed on a personal computer even without an actual machine. *: For details on the compatible software version and functions, see the PX Developer Operating Manual. [Screen examples that can be created automatically] For 1



2Utilizing GOT1000 & GT SoftGOT1000 data

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

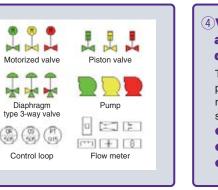


• Excellent anti-environment performance (IP67f) for operation in various types of worksites.

The VESA mount adapter is available.

3Process control parts library Library of process control parts

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



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

For more details, see "List of connectable models" (page 65 to page 69), "Function list" (page 70 to page 73) and "Notes for use" (page 81 to page 86).

50

Alarm list screen

Trend graph screen



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 26)

4 Various GOT1000 functions are available for process and duplex CPU

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

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

GT10

iQ Platform

MELSEC Process Cont

List of Con Models

etc

GT16

General specifications

Iter	n	Specification							
Operating ambient	Display	0°C to 50°C*5							
temperature*1	Other than display			0°C to	55°C *5				
Storage ambien	t temperature	-20°C to 60°C							
Operating ambie	ent humidity			10 to 90%RH, r	o condensation	I			
Storage ambien	t humidity			10 to 90%RH, r	o condensation				
				Frequency	Acceleration	Half amplitude	Sweep count		
		Conforming	Under intermittent	5 to 8.4Hz	-	3.5mm	10 times each in X,		
Vibration resistance		to JIS B 3502 and	vibration	8.4 to 150Hz	9.8m/s ²	-	Y and Z directions		
			Under continuous	5 to 8.4Hz	-	1.75mm			
			vibration	8.4 to 150Hz	4.9m/s ²	-			
Impact resistance	ce	Conforming to JIS B 3502 and IEC 61131-2 (147m/s ² , 3 times each in X, Y and Z directions)							
Operating atmos	ophoro	N	No oily smoke, corrosive gas or combustible gas, less conductive dust,						
Operating atmos	sphere		away fro	om direct sunlig	ht (the same in :	storage)			
Operating altitud	de <mark>*</mark> 2			2000m	or less				
Installation locat	tion			In contro	l panel <mark>*</mark> 6				
Overvoltage cat	egory *3								
Contamination I	evel*4	2 or less							
Cooling method		Self-cooling							
Grounding		Ту	/pe D grounding (1	00Ω or less). C	connect to pane	l if unable to gro	und.		

*1 : The maximum operating ambient temperature should be 5°C lower than that shown in the table on the left when connecting to a multimedia unit (GT16M-MMR), MELSECNET/H communication unit (GT15-J71LP23-25 or GT15-J71BR13) or CC-Link communication unit (GT15-J71LP23-25 or GT15-J71BR13) or CC-Link communication unit (GT15-J61BT13),
*2 : Do not operate or store the GOT unit in pressurized environments where the pressure exceeds 0m elevation atmospheric pressure, as this could result in abnormal operation.
Do not pressurize inside the control panel for air purge cleaning. The 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 ratings up to 300V.
*4 : Index that indicates the level of foreign conductive matter in the operating environment of the device. Contamination level 2 denotes an environment contaminated only by non-conductive matter which may, under certain conditions, become temporarily conductive due to condensation.
*5 : 0 to 40°C for GT1665HS
*6 : Excluding GT1665HS
Do not use or store the GOT under direct sun light or in an environment

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

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

Performance specifications

		Specification									
	Item	GT1695M-XTBA GT1695M-XTBD	GT1685M-STBA GT1685M-STBD	GT1675M-STBA GT1675M-STBD	GT1675M-VTBA GT1675M-VTBD	GT1675-VNBA GT1675-VNBD	GT1672-VNBA GT1672-VNBD	GT1665M-STBA GT1665M-STBD			
	Туре		TFT color LCD (high-brigh	tness, wide viewing angle)	TFT cold	or LCD	TFT color LCD (high-brightness, wide viewing angle)			
	Screen size	15"	12.1"		10).4"		8.4"			
	Resolution	XGA: 1024 × 768 [dots]	SVGA: 800 × 600 [dots]	SVGA: 800 × 600 [dots]		VGA: 640 × 480 [dots]		SVGA: 800 × 600 [dots]			
	Display size	304.1(W) × 228.1(H)[mm]	246(W) × 184.5(H)[mm]		211(W) × 1	58(H)[mm]		171(W) × 128(H)[mm]			
Display		16-dot standard font: 64 chars. × 48 lines (2-byte) 12-dot standard font: 85 chars. × 64 lines (2-byte)	16-dot standard font: 50 12-dot standard font: 66			dard font: 40 chars. × 30 lin dard font: 53 chars. × 40 lin		16-dot standard font: 50 chars. × 37 lines (2-byte) 12-dot standard font: 66 chars. × 50 lines (2-byte)			
*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°	Right/left/up/down: 88°	Right/left: 80°, Up: 80°, Down: 60°*14	Right/left: 45°, Up	: 30°, Down: 20°	Right/left: 80°, Up: 80°, Down: 60°			
	Intensity	450 [cd/m ²]	470 [cd/m ²]	400 [cd/m ²]	500 [cd/m ²]*15	200 [cd	1/m²]	400 [cd/m ²]			
	Intensity adjustment		8-step ad	ljustment		4-step ad	ustment	8-step adjustment			
		Approx, 52		Approx, 43	3,000 hours	Approx. 52,	000 hours	Approx. 43,000 hours			
	Life	(operating ambient	temperature: 25°C)	(operating ambient	temperature: 25°C)	(operating ambient t	emperature: 25°C)	(operating ambient temperature: 25°C)			
Backligh	it		C		ube (replaceable), with bac ff time and screen save tin	cklight OFF detection function function function function for the set.	on.				
	Life*3				Approx. 50,000 hours or m						
	LIIG		(Time for display intensity r	1 0	ambient temperature of 25°	C)				
	Туре				Analog resistive type						
Touch	Key size				Min. 2 × 2 [dots] (per key						
panel	No. of simultaneous touch points	Simulta	aneous touch prohibited*4	<u> </u>		he switch may function nea	r the center of the presse	ed points.)			
*10	Life*11			1,000,000 tim	es or more (operating for	e 0.98N or less)					
	Detection distance		[m]			-					
Human	Detection range	-	up/down: 70°			-					
sensor	Detection delay time	0 to	4 [sec]			-					
	Detection temperature	Temperature differen between human b	nce to be 4°C or more body and ambient air			-					
Memory *5				n flash memory ject data and OS)		11MB built-in f (for saving projec		15MB built-in flash memory (for saving project data and OS)			
	Life (No. of writings)			0.474-0.00	100,000 times day (operating ambient ter						
Internal	clock accuracy				GT15-BAT type lithium bat						
Battery	Backed up data		Clock			data and SRAM user area	(500KB)				
Dattory	Life		010011		ars (operating ambient terr		(000112)				
	RS-232*7		Ap	RS-232, 1ch Transmiss Con plication: Communication (project data read	sion speed: 115200/57600/ nector shape: D-sub 9-pin with connected devices, c /write, OS installation, FA	/38400/19200/9600/4800bp (male) onnection to personal comp transparent function)	outer				
	RS-422/485			nector shape: 14-pin (fem	ale) Application: Comm	00/38400/19200/9600/4800 unication with connected de					
Built-in	Ethernet			Conn Communication with conr ject data read/write, OS ir	stallation, FA transparent	Ilar jack) unction, connection to perso function, MES interface fun					
interface		Applic	ation: USB mouse/keyboa	rd connection, USB memo		ge FAT16 format: max. 2	GB, FAT32 format: max.	32GB*13			
	USB			Connector shape: Min	8 (full-speed 12Mbps), dev i-B Application: Connect /write, OS installation, FA	tion to personal computer transparent function)					
	CF card	Con	nector shape: TYPE I		Compact flash slot, 1ch data storage, GOT startur	p FAT16 format: max. 2G	B, FAT32 format: max. 3	2GB <mark>*13</mark>			
	Optional function board				r optional function board in						
-	Extension unit*7				munication unit/optional u						
Buzzer o	<u> </u>				gle tone (tone length adjus						
	ve construction			F	Front: IP67f*6 In panel: IF						
	dimensions	() () () 1	316(W) × 242(H) × 52(D)[mm]			H) × 49(D)[mm]		241(W) × 190(H) × 52(D)[mm]			
	ut dimensions	383.5(W) × 282.5(H)[mm]		0.4[]]		200(H)[mm]		227(W) × 176(H)[mm]			
weight (ex	cl. mounting brackets)	5.0[kg]	2.7[kg]	2.1[kg]	2.3[kg]* ¹⁶	2.3[1.7[kg]			
Applicable	e software packages		GT Works3 Vers	ion1.54G or later		GT Works3 Versi (not supported by GT V		GT Works3 Version1.54G or later			

Powe	r supply	specificatio	ons						
	_			GT1675M-STBA	Specif	ication	GT1675M-STBD		
	em	GT1695M-XTBA	GT1685M-STBA	GT1675M-VTBA GT1675-VNBA GT1672-VNBA GT1665M-VTBA GT1665M-VTBA GT1662-VNBA	GT1695M-XTBD	GT1685M-STBD	GT1675M-VTBD GT1675-VNBD GT1675-VNBD GT1672-VNBD GT1665M-STBD GT1665M-VTBD GT1662-VNBD	GT1655-VTBD	GT1665HS-VTBD
	supply voltage	100	to 240VAC (+10%, -15			24VDC (+	25%, -20%)		24VDC (+10%, -15%)
Input free		50VA (at max. load)	50/60Hz ±5% 110VA (at max. load)	100VA (at max. load)					
Power co	onsumption	64W or less	46W or less	39W or less	60W or less	40W or less	38W or less	16W or less	11.6W or less
With b	acklight off	38W or less	32W or less	30W or less	30W or less	26W or less	27W or less or less	14W or less 67A or less	8.2W or less
Inrush cu	irrent		28A or less (4ms, at max. load)		12A or less (75ms, at max. load)		max. load)	(1ms, at max. load)	30A or less (2ms, at max. load)
Permissible instantaneous failure time		Withi	n 20ms (100VAC or m	ore)		Within	10ms	·	Within 5ms
Noise resistance			age 1500Vp-p, noise v ator with noise frequen		by	Noise voltage 500V y noise simulator with n	'p-p, noise width 1μs oise frequency 25 to 60	DHz	Noise voltage 1000Vp-p, noise width 1ms by noise simulator with noise frequency 30 to 100Hz
Withstan	d voltage 1 n resistance	500VAC for 1 minute	between power suppl	/ terminal and ground or higher with an insulat	ion resistance tester (e between power suppl	•	
	le wire size		TOWAL	of higher with art hould	0.75 to 2 [mm ²]	ocorbo between powe		ground)	-
Clamp te				Clamp terminals for M3	screw RAV1.25-3, V2-	S3.3, V2-N3A, FV2-N3	4		-
block's term	orque (terminal inal screws)				0.5 to 0.8 [N·m]				-
Perfo	ormance	e specifica	tions						
				ecification			mnonent	names	
	ltem	GT1665M-VTB	A GT1662-VNB	A GT1655-VTBD	GT1665HS-VTB		omponent	names	
	-	GT1665M-VTBE TFT color LCD		TET	color LCD	GT1695/0	GT1685/GT167_/G	T166//GT1655	SMODE
	Туре	(high-brightness, wide viewing a	ingle)	(high-brightnes	s, wide viewing angle)	F	Reset switch		-S.MODE (OS installation switch)
	Screen size Resolution		8.4" VGA:	5.7" 540 × 480 [dots]	6.5"	(GT1655 at	sion interface		– CF card interface – Battery holder
	Display size) × 128(H)[mm]	115(W) × 86(H)[mr	n] 132.5(W) × 99.4(H)[n	nm] Video/Re (excluding GT16	GB interface -VNB_, GT1655)		-CF card access LED
Display	No. of displaye characters	16-dot standard font: 40 chars. × 30 lines (2-b 12-dot standard font: 53 chars. × 40 lines (2-b					nal function	<u><u></u><u></u><u></u><u></u><u></u></u>	- CF card access LED - CF card access switch
*1	Display colors	65,536 colors	65,536 colors 16 colors 65,5		536 colors		ard interface		 Dip switch for setting terminal resistance
View angle*2 Intensity		Right/left: 80°, Up: 80°, Dowr 600 [cd/m ²]	1: 60° Right/left: 45°, Up/Dow 200 [cd/m ²]	20° Up/down/right/left: 8 350 [cd/m ²]	80° Right/left: 80°, Up: 60°, Dowr 550 [cd/m ²]	Human ser (GT1695, GT1685 c			(inside cover)
	Intensity adjustm			nt 8-step	adjustment		nly/		
	Life		25°C) (operating ambient temperature		urs Approx. 41,000 hc 5°C) (operating ambient temperature:				- Display, touch key
Backlight		Cold-cathode fluorescent	tube (replaceable), with backlight C	FF LED (not replaceable)	, with backlight OFF detecti	on USB interfa	ce -		
Dackingin			off time and screen save time can I more Approx. 40,000 hours or		nd screen save time can be ore -	set. (device) USB interfa			
	Life*3		sity reaches 50% at operati	ng ambient temperature of 25		(host)			- RS-422/485 interface
Touch	Type Key size			g resistive type 2 [dots] (per key)		RS-232 inte			- Power supply terminal his illustration shows GT1695.
panel *10	No. of simultaneous touch p	sints Simultaneous touch prohibite		d simultaneously, the switch may functi	on near the center of the pressed po			م ا	nis illustration snows GT 1695.
	Life ^{*11} Detection distar		1,000,000 times or mor	e (operating force 0.98N	or less)	Interface -	IS (Handy)	Reset switch	
	Detection range	2		-		protective c USB interface		 S.MODE (OS installation switc) 	h)
sensor	Detection delay ti Detection temperat			-		(device) USB interfa	~	Key type selector swi	tch
Memory	C drive		nory 11MB built-in flash me		t-in flash memory	(host)		CF card interface	
*5	Life (No. of writin		I OS) (for saving project data an	0,000 times	roject data and OS)			— CF card access switc	h Hook for wall mounting
Internal c	lock accuracy	3.47 to	8.38 secs/day nt temperature: 25°C)*	-3.61 to 2.16 secs/day (operating ambient temperature: 25°)	3.47 to 8.38 secs/day	Emergence			look for wait mounting
			type lithium battery		C)*12 (operating ambient temperature: 25 tery GT15-BAT type lithium ba	tterv			Hand strap Grip switch
Battery	Backed up dat			data, system log data and		KB) Display, — touch key			External interface
	Life		Approx. 5 years (opera RS-232, 1ch	ting ambient temperature	e: 25°C) RS-232, RS-422/485, 1	ch. POWER-			Rear face protective cover
			eed: 115200/57600/38 nnector shape: D-sub	400/19200/9600/4800bps 9-pin (male)	each (When using, sele one of the channels.	ect			RS-422/485 interface Dip switch for setting erminal resistance
	RS-232*7	Application	n: Communication with connection to personal	connected devices,	Transmission speed	switches (6	switches)	E	All inside cover)
			d/write, OS installation	, FA transparent function)		*1 : On LCD p		ently lit) and black dots (new	
	DC 400/405	Transmission sp	RS-422/485, 10 eed: 115200/57600/38	h 400/19200/9600/4800bps	Connector shape: Square, 42-pin (male	e) possible to	reduce appearance of the	ents that exist on an LCD p bright and black dots to ze cause differences in color, un	anel is large, it is not ero. ieven brightness and flickering.
	RS-422/485		Connector shape: 14-pi n: Communication with		Application: Communica with connected device	es k2 : LCD pane	s is a characteristic of LCD pan Is have characteristics of t	els and it does not mean the pro tone reversal. Note that ev	oducts are defective or damaged. en within the indicated view
			fer system: 100BASE-		Data transfer system: 100BASE-TX, 10BASE-T,	1ch *3 : Using the G	OT screen save/backlight OFF	be clear enough depending functions prevents screen burn	in and extends backlight life.
		Con	nector shape: RJ-45 (Communication with	nodular jack)	Connector shape: Square, 42-pin (male) Application:	simultane	ously, if a switch is located	used. When 2 points on th the middle of the 2 points	then the switch will be
Built-in interface	Ethernet	gateway fu	unction, connection to ect data read/write, O	personal computer	Communication with conne devices, gateway functio	n, *5 : The memo	y is ROM that permits overw	g 2 points on the screen sin riting of new data without hav re cover is on, pressing firmly	ing to delete the existing data.
mondoe			parent function, MES i		(project data read/write, O installation, FA transparent fur	nction) makes it co memory is	onform to IP67f. (The USB in connected.) However, this d	nterface conforms to IP2X who loes not guarantee protection	en a USB cable or a USB i in all users' environments.
		USB (full-speed	12Mbps), host 1ch	Connector shape: TYPE	A USB (full-speed 12Mbps), host 1ch Co	nnector The unit n chemicals	ay not be used in an envi for a long time or it is soal	ronment where it is expose ked with oil mist.	d to splashing oil or
		Application: USB m	ouse/keyboard connection	n, USB memory data transl AT32 format: max. 32GB*13	er shape: TYPE-A Application: USB memo transferand storage FAT16 format: ma	ory data \$\$7 : Where mo ax. 268, of their cur	re than one extension unit, rent consumptions should b	barcode reader, and RFID of be within the current level within	nich the GOT can supply.
	USB			evice 1ch Connector s	PATO2 IONIAL MAIL 3200	and the cu	rrent level which the GOT	units, barcode reader, and can supply, see "Notes for T1685 is not compatible with	r use" (page 81 to page 86).
			Application: Conne	ction to personal comput	er	*9 : The degree	and the current level which the GOT can supply, see "Notes for use" (page 81 to page 86). *8 : The function version A of GT1695/GT1685 is not compatible with 108ASE-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.		
	05		Compact flash slot, 10	h Connector shape: T	/PE I	+10: If necessary • Material:	ry, use a stylus pen meeti Polyacetal resin • Pen poin	ng the following specification tradius: 0.8mm or more (The stylus pe	ons. n cannot be used with the GT1665HS.)
	CF card		sfer, data storage, GOT sta	tup FAT16 format: max. 2GB,	FAT32 format: max. 32GB*	*13 *11: When usir Since the	ig a stylus pen, it will be 1 touch panel is a consumal	00,000 times or more (oper ble product structurally, it m	ating force 0.98N max.). hay not be used even fewer
	Optional function bo		or optional function boa	1ch for communication		than abov *12: If the oper	e, depending on the usage ating ambient temperature	e method and environment. e is other than 25°C, operat	ion errors may increase.
	Extension unit*	2cn for communication	on unit/optional unit installa	unit/optional unit installa		the followi	ng versions of OSs installe	store more than 2GB are and a store more than 2GB are and a store more than 2GB are a store and a store an	available for the GT16 with
-	utput		Single tone (one length adjustable)	IP65f*9	Standard	version: 05.09.00AF or la I monitor OS version: 05.0	9.00 or later	
Buzzer o			The second se						
Protective	e construction		Front: IP67f*6 In par		(when external connected cable is connected) memory a	earlier than the above ver nd the CF card that store i ve versions of OSs are not	more than 2GB.	, ,
Protective External	e construction dimensions dimensions	241(W) × 1	Front: IP67f*6 In par 90(H) × 52(D)[mm]) × 176(H)[mm]		cable is connected nm] 201(W) × 230(H) × 97(D)[[mm] memory a [mm] If the above [mm] Designer3 memory a	nd the CF card that store i ve versions of OSs are not	more than 2GB. installed, install the OSs o r. GT Designer2 version e more than 2GB.	, ,

Owe	er suppl	y specificati			Specif	ication			
				GT1675M-STBA	opeen		GT1675M-STBD		
I	tem	GT1695M-XTBA	GT1685M-STBA	GT1675M-VTBA GT1675-VNBA GT1672-VNBA GT1665M-STBA GT1665M-VTBA GT1662-VNBA	GT1695M-XTBD	GT1685M-STBD	GT1675M-VTBD GT1675-VNBD GT1672-VNBD GT1665M-STBD GT1665M-VTBD GT1662-VNBD	GT1655-VTBD	GT1665HS-VTBD
	r supply voltage	100	to 240VAC (+10%, -15%			24VDC (+	25%, -20%)		24VDC (+10%, -15%)
nput fre		150VA (at max. load)	50/60Hz ±5% 110VA (at max. load)	100VA (at max. load)					
ower c	onsumption	64W or less	46W or less	39W or less	60W or less	40W or less	38W or less	16W or less	11.6W or less
	acklight off	38W or less	32W or less 28A or less	30W or less	30W or less 12A or less	26W or less	27W or less or less	14W or less 67A or less	8.2W or less 30A or less
nrush ci			(4ms, at max. load)		(75ms, at max. load)	(55ms, at	max. load)	(1ms, at max. load)	(2ms, at max. load)
ermissible inst	antaneous failure time	With	in 20ms (100VAC or mo	re)		Withi	n 10ms		Within 5ms Noise voltage 1000Vp-p,
	sistance	by noise simul	tage 1500Vp-p, noise wi lator with noise frequency	y 25 to 60Hz	by	noise simulator with n	/p-p, noise width 1µs oise frequency 25 to 60		noise width 1ms by noise simulator with noise frequency 30 to 100Hz
	n resistance	1500VAC for 1 minute	between power supply 10MΩ o	÷ 1	tion resistance tester (e between power suppl er supply terminal and g		
Applicab	le wire size				0.75 to 2 [mm ²]				-
Clamp te Tightening	torque (terminal		C	lamp terminals for M3		S3.3, V2-N3A, FV2-N3	A		-
	ninal screws)				0.5 to 0.8 [N·m]				-
erfo	ormanc	e specifica	tions						
		•	Spe	cification			omponent i	names	
	Item	GT1665M-VTB GT1665M-VTB		GT1655-VTBD	GT1665HS-VTB	D			
	Туре	TFT color LCE	D TET color LCD		color LCD		GT1685/GT167//G	T166_/GT1655	- S.MODE (OS installation switch)
	Screen size	(high-brightness, wide viewing	angle) 8.4"	(high-brightnes 5.7"	s, wide viewing angle) 6.5"		Reset switch		(OS installation switch) -CF card interface
	Resolution		VGA: 64	40 × 480 [dots]		(GT1655 at	sion interface		-Battery holder
	Display size No. of display		V) × 128(H)[mm] 16-dot standard font:	115(W) × 86(H)[m 40 chars. × 30 lines (2-	m] 132.5(W) × 99.4(H)[n byte)	(excluding GT16	-VNB_, GT1655)		-CF card access LED
)isplay 1	characters		12-dot standard font:	53 chars. × 40 lines (2-	byte)		nal function	╪╧╽╹╲╹║╲	- CF card access switch
	Display colors View angle*2		m: 60° Right/left: 45°, Up/Down:		536 colors 30° Right/left: 80°, Up: 60°, Dowr				Dip switch for setting terminal resistance (inside cover)
	Intensity	600 [cd/m ²]	200 [cd/m ²]	350 [cd/m ²]	550 [cd/m ²]	GT1695, GT1685 d			(
	Intensity adjustr		ours Approx. 52,000 hot	urs Approx. 50,000 ho					
	LIIC	(operating ambient temperature	e: 25°C) (operating ambient temperature: 2 It tube (replaceable), with backlight OFF	5°C) (operating ambient temperature:	25°C) (operating ambient temperature:), with backlight OFF detecti	25°C)			 Display, touch key
detection function. Backlight off time		nt off time and screen save time can be	set. function. Backlight off a	nd screen save time can be	set. (device)	ЧЦ <u>И</u> Ц			
	Life*3		r more Approx. 40,000 hours or m nsity reaches 50% at operating			USB interfa (host)	ce <u>L</u> _/L		- RS-422/485 interface
ouch	Туре		Analog	resistive type		RS-232 inte	erface		- Power supply terminal
anel	Key size No. of simultaneous touch	points Simultaneous touch prohibit	Min. 2 × 2 ted ^{#4} (If two or more points are pressed	2 [dots] (per key) simultaneously, the switch may funct	on near the center of the pressed po	Ethernet int		*1	his illustration shows GT1695.
	Life*11		1,000,000 times or more	(operating force 0.98N			IS (Handy)		
luman	Detection dista Detection range			-		protective c		S.MODE (OS installation switcl	-)
ensor	Detection delay			-		(device)		Key type selector swi	·
lomoni	Detection temper	15MB built-in flash me	emory 11MB built-in flash mem	nory 15MB buil	t-in flash memory	USB interfa (host)		CF card interface	
5	Life (No. of writi		nd OS) (for saving project data and (0S) (for saving p ,000 times	roject data and OS)			— CF card access LED — CF card access switc	
nternal o	lock accuracy	3.47 t	o 8.38 secs/day	-3.61 to 2.16 secs/day	3.47 to 8.38 secs/day	Emergenc			look for wall mounting
	,		ent temperature: 25°C)*12 T type lithium battery		C)*12 (operating ambient temperature: 25 ttery GT15-BAT type lithium ba	tterv			Hand strap Grip switch
attery	Backed up da		enance time notification da	ata, system log data and	SRAM user area (500)	— Display. —		E State Barrier Ba	xternal interface
	Life		Approx. 5 years (operation RS-232, 1ch	ng ambient temperature	e: 25°C) RS-232, RS-422/485, 1	ch POWER-			Rear face protective cover
	20 (21)		peed: 115200/57600/3840 onnector shape: D-sub 9-		each (When using, sele one of the channels.	ect LED			RS-422/485 interface Dip switch for setting erminal resistance
	RS-232*7	Applicatio	connection to personal co	onnected devices,	Transmission speed	switches (6 switches)	Ē	Battery All inside cover)
			ad/write, OS installation, I	FA transparent function	3000/4000bp3	*1 : On LCD p	anels, bright dots (permane	ently lit) and black dots (nev ents that exist on an LCD p	ver lit) generally appear.
	RS-422/485		RS-422/485, 1ch peed: 115200/57600/3840	00/19200/9600/4800bp	Connector shape: Square, 42-pin (male) possible to	o reduce appearance of the	bright and black dots to ze	
	10-422/400		Connector shape: 14-pin on: Communication with c		Application: Communica with connected device	Note that th S *2 : LCD pane	is is a characteristic of LCD pan Is have characteristics of t	els and it does not mean the pro one reversal. Note that eve	ducts are defective or damaged. en within the indicated view
			sfer system: 100BASE-T		Data transfer system: 100BASE-TX, 10BASE-T, Connector change:	1ch *3 : Using the G	OT screen save/backlight OFF	be clear enough depending functions prevents screen burn used. When 2 points on the	-in and extends backlight life.
	Ethernet	Application	nector shape: RJ-45 (m n: Communication with c	onnected devices,	Connector shape: Square, 42-pin (male) Application:	simultane	ously, if a switch is located	used. When 2 points on the the middle of the 2 points 2 points on the screen sin	then the switch will be
uilt-in terface	Luemet	gateway	function, connection to p pject data read/write, OS	ersonal computer	Communication with conne devices, gateway functio connection to personal com	n, *5 : The memo *6 : With the U	ry is ROM that permits overw SB environmentally protectiv	riting of new data without hav e cover is on, pressing firmly	ing to delete the existing data. the portion marked "△"
			sparent function, MES int		(project data read/write, O installation, FA transparent fur	s makes it contraction) memory is	onform to IP67f. (The USB in connected.) However, this d	terface conforms to IP2X wh oes not guarantee protection	en a USB cable or a USB in all users' environments.
			12Mbps), host 1ch Co			nnector chemicals	for a long time or it is soal	ronment where it is expose ked with oil mist. barcode reader, and RFID o	
	USB		nouse/keyboard connection, AT16 format: max. 2GB, FAT		transferand storage EAT16 formati ma	x 2GB, of their cu For the cu	rrent consumptions should to prents which the extension	e within the current level wh units, barcode reader, and	hich the GOT can supply. I RFID controller consume
	036	USE	3 (full-speed 12Mbps), de		hape: Mini-B	and the ci *8 : The functi	Irrent level which the GOT on version A of GT1695/G	can supply, see "Notes for T1685 is not compatible wi	use" (page 81 to page 86). th 10BASE-T.
				tion to personal comput	er	*9 : The degree protective	of protection is not guarante cover or the rear face protection	ed under all users' environme ve cover is removed, the spec	ntal conditions. If the interface ification does not apply.
	CF card	, and the second s	Compact flash slot, 1ch nsfer, data storage, GOT startu	Connector shape: T	YPE I	 Material 	Polyacetal resin • Pen point	ng the following specification radius: 0.8mm or more (The stylus per 20,000 times or more (oper	n cannot be used with the GT1665HS.)
	Optional function to		for optional function boar		FAT32 format: max. 32GB*	— Since the	touch panel is a consumat	DU,000 times or more (oper ole product structurally, it m e method and environment.	ay not be used even fewer
	Extension uni		ion unit/optional unit installation	1ch for communicatio		*12: If the oper *13: USB mem	ating ambient temperature ory and CF cards that can	is other than 25°C, operat store more than 2GB are a	ion errors may increase.
Buzzer output Single tone (tone length adjustable)				the follow • Boot OS	ng versions of OSs installe version: 05.09.00AF or lat	ed. er			
	e construction		Front: IP67f*6 In pane		IP65f ^{*9} (when external connect	tion With OSs		sions, the GOT cannot corr	ectly recognize the USB
	dimensions		190(H) × 52(D)[mm]	267(W) × 135(H) × 60(D)[I	cable is connected nm] 201(W) × 230(H) × 97(D)[If the abov	nd the CF card that store r ve versions of OSs are not with version 1.17T or late	installed, install the OSs of	n the GOT by using GT is not compatible with USB
				450(00) 404(0)			nd CF cards that can store		
Panel cu	t dimensions cl. mounting brac		V) × 176(H)[mm] 1.8[kg]	153(W) × 121(H)[m 1.0[kg]	1.2[kg] (main unit or		h direction for function ver	sion C or earlier.	

GT15

General specifications

Item		Specification						
Operating ambient				0°C to 50°C				
temperature*1	Other than display				55°C			
Storage ambien				-20°C 1	to 60°C			
Operating ambie	<u> </u>			10 to 90%RH, r	o condensation	1		
Storage ambien	t humidity*2			10 to 90%RH, r	no condensation	1		
				Frequency	Acceleration	Half amplitude	Sweep count	
		Conforming	Under intermittent	5 to 8.4Hz	_	3.5mm	10 times each in X,	
Vibration resista	nce <mark>*3</mark>	to JIS B 3502 and	vibration	8.4 to 150Hz	9.8m/s ²	-	Y and Z directions	
			Under continuous	5 to 8.4Hz	-	1.75mm		
		vibration		8.4 to 150Hz	4.9m/s ²	-] –	
Impact resistance	e	Conforming to JIS B 3502 and IEC 61131-2 (147m/s ² , 3 times each in X, Y and Z directions)						
		No oily smoke, corrosive gas or combustible gas, less conductive dust,						
Operating atmos	spriere		away fro	om direct sunlig	ht (the same in :	storage)		
Operating altitud	le <mark>*4</mark>			2000m	or less			
Installation locat	ion			In contr	ol panel			
Overvoltage cat	egory <mark>*</mark> 5	I or lower						
Contamination le	evel ^{*6}	2 or less						
Cooling method				Self-c	ooling			
Grounding		Ту	/pe D grounding (1	00Ω or less). C	Connect to pane	I if unable to gro	ound.	

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).

- communication unit (GT15-J71LP23-25 or GT15-J71BR13) or CC-Link communication unit (GT15-J61BT13).
 Water builb temperature for STN display type must be 39°C or lower.
 Sefer to the Communication Unit User's Manual for vibration resistance specifications when using the MELSECNET/10 communication unit (GT15-7J71BT13-2) or CO-Link communication unit (GT15-7J51BT13-2) or CO-Link communication unit (GT15-7J51BT13-2) or CO-Link communication unit (GT15-7J51BT13-2). (The specifications of communication units are different from those of the GOT man unit).
 20 on to perate or store the GOT unit in pressure denvironments 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 scausing the sheet to come off.
 35 Assuming that the device is connected at some point between a public power distribution network and local system equipment. Category1 applies to device shart are supplied with power from fixed equipment. The surge withstand voltage is 2,500V for devices with ratings up to 300V.
 46 Index that indicates the level of foreign conductive matter in the operating environment of the device. Contamination level 2 denotes an environment contaminated only by non-conductive matter which may, under certain conditions, become temporarily conductive due to condensation.

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

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

Performance specifications

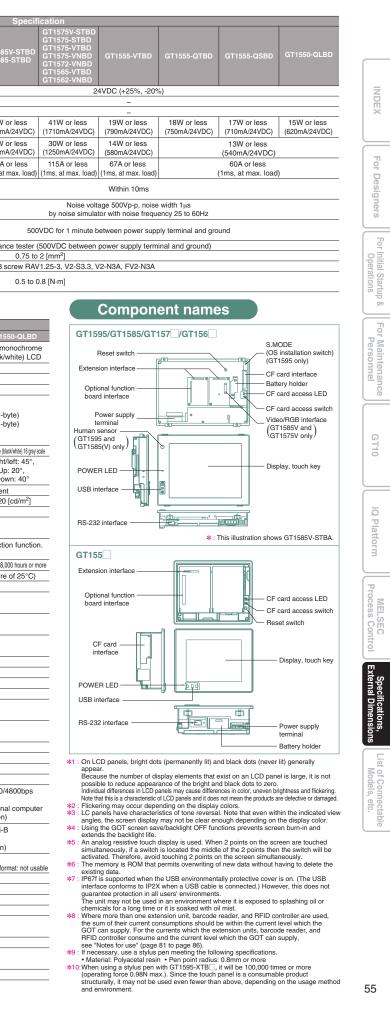
		•			Specif	ication					
	Item	GT1595-XTBA GT1595-XTBD	GT1585V-STBA GT1585V-STBD GT1585-STBA GT1585-STBD	GT1575V-STBA GT1575V-STBD GT1575-STBA GT1575-STBD	GT1575-VTBA GT1575-VTBD	GT1575-VNBA GT1575-VNBD	GT1572-VNBA GT1572-VNBD	GT1565-VTBA GT1565-VTBD	GT1562-VNBA GT1562-VNBD		
	Туре	TFI	Color LCD (high-bright	ness, wide viewing an	gle)	TFT co	lor LCD	TFT color LCD (high-brightness, wide viewing angle)	TFT color LCD		
	Screen size	15"	12.1"		10	.4"		8.	4"		
	Resolution	XGA: 1024 × 768 [dots]	SVGA: 800	× 600 [dots]		VGA: 640 × 480 [dots]		1			
	Display size		246(W) × 184.5(H) [mm]		211(W) × 1	58(H) [mm]		171(W) × 1	28(H) [mm]		
	No. of displayed characters	16-dot standard font: 64 chars. × 48 lines (2-byte) 12-dot standard font: 85 chars. × 64 lines (2-byte)	16-dot stan 50 chars. × 37 12-dot stan 66 chars. × 50	lines (2-byte) dard font:			rd font: 40 chars. × 30 rd font: 53 chars. × 40				
	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/ 85		/down: Right/left: 45°, Up: 30°, Down: 20°		Right/left: 65°, Up: 50°, Down: 60°	Right/left: 45°, Up: 20°, Down: 20°		
	Contrast adjustment				-	-		1			
	Intensity	450 [cd/m ²]	GT1585V: 350 [cd/m ²] GT1585: 400 [cd/m ²]	400 [cd/m ²]	380 [cd/m ²]	200 [0	cd/m ²]	380 [cd/m ²]	150 [cd/m ²]		
	Intensity adjustment		8-step ad	justment		4-step ad	ljustment	8-step adjustment	4-step adjustment		
	Life	Approx. 52,000 hours (operating ambient temperature: 25°C)	Approx. 50 (operating ambient				Approx. 41,000 hours og ambient temperature	e: 25°C)			
Backligh	t		Cold-cathode fluoresce	nt tube (replaceable),	with backlight OFF det	tection function. Backl	ight off time and scree	n save time can be set			
	Life*4	Approx. 50,000) hours or more	Approx. 40,000 hours or more							
	LIIe.	(Time for display intensity reaches 50% at operating ambient temperature of 25°C)									
	Туре	Analog resistive type			Matrix res						
	No. of touch keys	-		900 keys/screen (38 lines × 50 columns)			/screen (30 lines × 40	columns)			
Touch panel	Key size	Min. 2 × 2 [dots] (per key)	Min. 16 × (per key) (16 × 8 onl)	16 [dots] y on lowermost line)			Min. 16 × 16 [dots] (per key)				
*9	No. of simultaneous touch points	Simultaneous touch prohibited ^{\$5} (1 point only)		Max. 2 points							
	Life	1,000,000 times or more (operating force 0.98N or less)*10									
	Detection distance		[m]								
Human	Detection range Detection delay time		p/down: 70°								
sensor	Detection		ice to be 4°C or more								
	temperature		ody and ambient air			-	-				
Memory *6	C drive		9MB built-in f (for saving proje			5MB built-in flash memory (for saving project data and OS) 9MB built-in flash memory (for saving project data and OS) 9MB built-in flash memory (for saving project data and OS)					
	Life (No. of writings)				100,000 times						
Dett	Booked we stat			~		um battery (optional)	ata				
Battery	Backed up data Life					Ince time notification da ambient temperature: 2					
	RS-232*8	Applicat	tion: Communication wi	RS-232, 1ch Tr	ansmission speed: 115 Connector shape:	5200/57600/38400/192 D-sub 9-pin (male)	200/9600/4800bps	llation, FA transparent	iunction)		
Built-in interface	USB		Connector shape: Mini-I	B Application: Coppos		2Mbps), device 1ch	write OS installation	FA transparent function)		
Internace	CF card	Compact flash						max. 2GB, FAT32 form			
	Optional function board	Compast has				tion board installation		202, 02 1011			
	Extension unit*8			2ch		nit/optional unit installat	tion				
Buzzer o					Single tone (tone						
	e construction				Front: IP67f*7	In panel: IP2X					
	dimensions USB port cover)	397(W) × 296(H) × 61(D) [mm]	316(W) × 242(H) × 52(D) [mm]		303(W) × 214(H	H) × 49(D) [mm]		241(W) × 190(H	H) × 52(D) [mm]		
Panel cu	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 (excl. mo	ounting brackets)	5.0 [kg]	2.8 [kg]	GT1575V: 2.3 [kg] GT1575: 2.4 [kg]	2.4 [kg]	2.3	[kg]	1.9	[kg]		
Applicable	e software package				GT Works3 Vers	sion1.54G or later					

Power supply specifications

	ltem	GT1595-XTBA	GT1585V-STBA GT1585-STBA	GT1575V-STBA GT1575-STBA GT1575-VTBA GT1575-VNBA GT1572-VNBA GT1565-VTBA GT1562-VNBA	GT1595-XTBD	GT1585V GT1585-	
In	out power supply voltage	100 to	o 240VAC (+10%, ·	-15%)			
In	put frequency		50/60Hz ±5%				
Inp	ut maximum apparent power	1	10VA (at max. load	1)			
Р	ower consumption	56W or less	41W or less	39W or less	57W or less (2380mA/24VDC)	43W or (1790mA/	
	With backlight off	30W or less	28W or less	28W or less	32W or less (1330mA/24VDC)	30W or (1250mA/	
In	rush 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 (1ms, at m	
Permissible instantaneous failure time Within 20ms (100VAC or more)							
Noise resistance			age 1500Vp-p, noise tor with noise freque				
Withstand voltage		1500VAC for 1 minute between power supply terminal and ground					
In	sulation resistance			10MΩ or highe	r with an insulation	resistance	
A	pplicable wire size						
С	lamp terminal				Clamp terminals	for M3 sc	
	phtening torque (terminal ock's terminal screws)						

Performance specifications

			Specif	ication				
Item		GT1555-VTBD	GT1555-QTBD	GT1555-QSBD	GT1550			
	Туре	TFT col	or LCD	STN color LCD	STN mon			
	Screen size	(high-brightness, w		.7"	(black/wh			
	Resolution	VGA: 640 × 480 [dots]		1				
	Display size	VGA: 640 × 480 [dots] QVGA: 320 × 240 [dots] 115(W) × 86(H) [mm]						
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)	16-dot standa	ard font: 20 chars. × 15 ard font: 26 chars. × 20				
101 1 102	Display colors	65,536	colors	4,096 colors	Monochrome (black/			
	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/le Up: 2 Down			
	Contrast adjustment	-	-		adjustment			
	Intensity	350 [cd/m ²]	400 [cd/m ²]	380 [cd/m ²]	220 [c			
	Intensity adjustment		8-step adjustment					
	Life),000 hours temperature: 25°C)				
Backligh	nt			able), with backlight Ol een save time can be				
Life*4		Арр	rox. 75,000 hours or n	nore	Approx. 58,000			
	LIIB	(Time for display in	tensity reaches 50% a	at operating ambient te	mperature o			
	Туре		Matrix res	sistive type				
	No. of touch keys	1200 keys/screen (30 lines × 40 columns)		300 keys/screen (15 lines × 20 columns	;)			
Touch panel	Key size	Min. 16 × 16 [dots] (per key)						
*9	No. of simultaneous touch points	Max. 2 points						
	Life	1,000	,000 times or more (o	perating force 0.98N or	r less)			
	Detection distance							
Liveran	Detection range	-						
Human sensor	Detection delay time	-						
	Detection temperature			-				
Memory	C drive			flash memory ect data and OS)				
*6	Life (No. of writings)	100,000 times						
		GT15-BAT type lithium battery (optional)						
Battery	Backed up data	Clock data and maintenance time notification data						
	Life	Approx. 5 years (operating ambient temperature: 25°C)						
	RS-232 *8	Application: Commu	Connector shape: nication with connecte	5200/57600/38400/192 D-sub 9-pin (male) d devices, connection tallation, FA transparer	to personal (
Built-in interface	USB			e 1ch Connector sha n to personal compute allation, FA transparen	r			
	CF card		mpact flash slot, 1ch data storage, GOT startup	Connector shape: TY FAT16 format: max. 2G				
	Optional function board		1ch for optional func	tion board installation				
	Extension unit*8	1ch	n for communication u	nit/optional unit installa	tion			
Buzzer o				length adjustable)				
	e construction		Front: IP67f*7	In panel: IP2X				
	dimensions USB port cover)		167(W) × 135(I	H) × 60(D) [mm]				
Panel cu	it dimensions		153(W) × 1	21(H) [mm]				
Weight (excl. mo	ounting brackets)		1.1	[kg]				
	e software package		GT Works3 Vers	sion1.54G or later				



GT14

General specifications

Item		Specification					
Operating ambient	Display			0°C to 50°C			
temperature	Other than display		0°C to 55°C (hori	zontal installation), 0°C to 50°C (ve	ertical installation)
Storage ambient	temperature		•	-20°C 1	to 60°C		
Operating ambier	nt humidity*1			10 to 90%RH, r	no condensation		
Storage ambient I	humidity*1			10 to 90%RH, r	no condensation		
		Oraclaumina		Frequency	Acceleration	Half amplitude	Sweep count
		Conforming	Under intermittent	5 to 8.4Hz	-	3.5mm	10 times each in X,
Vibration resistan	се	to JIS B 3502	vibration	8.4 to 150Hz	9.8m/s ²	-	Y and Z directions
		and	Under continuous	5 to 8.4Hz	-	1.75mm	
		IEC 61131-2	vibration	8.4 to 150Hz	4.9m/s ²	-	_
Impact resistance	•	Conform	ning to JIS B 3502 an	d IEC 61131-2 (1	47m/s², 3 times e	ach in X, Y and Z	directions)
Operating atmosp	ohere	Free from oil mist, c	orrosive gases, flammable g	ases and excessive co	nductive dusts or direct	sun beams (The same	applies to unit storage.)
Operating altitude	*2			2000m	or less		
Installation location	on			In contro	ol panel		
Overvoltage categories	gory *3	I or lower					
Contamination lev	/el*4	2 or less					
Cooling method				Self-c	ooling		
Grounding			Type D grounding	(100Ω or less). C	onnect to panel it	f unable to ground	d.

Performance specifications

	ltem	Specifi GT1455-QTBDE	GT1450-QLBDE				
			STN monochrome				
	Туре	TFT color LCD	(black/white) LCD				
	Screen size	5.					
	Resolution	QVGA: 320					
	Display size	115(W) × 86(H) [mm] (in horizontal display mode)					
	No. of displayed	16-dot standard font: 20 chars. × 15 lin					
	characters	12-dot standard font: 26 chars. × 20 lines (2-byte) (in horizontal displa Monochrome (black/w					
Display	Display colors	65536 colors					
*1		Right/left: 80°,	16 gray scale Right/left: 45°,				
	View angle *2	Up: 80°, Down: 60°	Up: 20°, Down: 40°				
	view aligie	(in horizontal display mode)	(in horizontal display mode)				
	Contrast adjustment		32-step adjustment				
	Intensity	400 [cd/m ²]	300 [cd/m ²]				
	Intensity adjustment	8-step ac					
		Approx. 50					
	Life	(Time for display contrast reaches 20% a					
		LED (not replaceable) with bac					
		Backlight off time and scr					
Backlight		Approx. 75,000	hours or more				
	Life *3	(Time for display intensity reaches 50% a	t operating ambient temperature of 25°C				
	Туре	Analog res	istive type				
Touch	Key size	Min. 2 × 2 [de					
panel	No. of simultaneous	Simultaneous touch prohibited *4	(If two or more points are pressed				
panei	touch points	simultaneously, the switch may function near the center of the pressed point.					
	Life	1,000,000 times or more (operating force 0.98N or less)					
	C drive *5	9MB built-in f					
		(for saving proje					
Memory	Life (No. of writings)	100,00					
	D drive	512KB bui					
		(for batter					
		GT11-50BAT typ					
Battery	Backed up data	Clock data, alarm history, recipe dat alarm, advanced recipe, loggir					
	Life	Approx. 5 years (operating a					
	Life	RS-422/485, 1ch Transmission speed: 1					
		Connector shape: D-sub 9-pin (female) Applic					
	RS-422/485	Terminal resistance *					
		(switching by terminal re					
		RS-232, 1ch Transmission speed: 115					
		Connector shape:					
	RS-232	Application: Communication with connected	devices, connection to barcode reader/RFID,				
		connection to personal computer (project data re-					
		Data transfer system: 100	BASE-TX, 10BASE-T, 1ch				
Built-in	Ethernet	Connector shape: F	J-45 (modular jack)				
interface	Ethernet	Application: Communication with connected devices	, gateway function, connection to personal comput-				
Interiace		(project data read/write, OS installation, FA transparent function)					
		USB (full-speed 12Mbps), host 1	ch Connector shape: TYPE-A				
		Application: USB mouse/keyboard connecti					
	USB	FAT16 format: max. 2GB,					
	000	USB (full-speed 12Mbps), device					
		Application: Connection to personal computer					
		(project data read/write, OS insta					
		Complied with SD standard, 1ch, Supported me	mory card: SDHC memory card, SD memory ca				
	SD card	Complied with SD standard, 1ch, Supported me Application: project data read/write,	mory card: SDHC memory card, SD memory ca OS installation, logging data storag				
		Complied with SD standard, 1ch, Supported me Application: project data read/write, FAT16 format: max. 2GB,	mory card: SDHC memory card, SD memory ca OS installation, logging data storag FAT32 format: max. 32GB				
Buzzer o	output	Complied with SD standard, 1ch, Supported me Application: project data read/write, FAT16 format: max. 2GB, Single tone (tone	mory card: SDHC memory card, SD memory ca OS installation, logging data storag FAT32 format: max. 32GB length adjustable)				
Protectiv	output ve construction	Complied with SD standard, 1ch, Supported me Application: project data read/write, FAT16 format: max. 2GB, Single tone (tone Front: I	mory card: SDHC memory card, SD memory ca OS installation, logging data storag FAT32 format: max. 32GB length adjustable) P67f ^{&7}				
Protectiv External	output ve construction dimensions	Compled with SD standard, 1ch, Supported me Application: project data read/write, FAT16 format: max. 2GB, Single tone (tone Front: 1 164(W) × 135(H	mory card: SDHC memory card, SD memory ca OS installation, logging data storag FAT32 format: max. 32GB length adjustable) P67f *7 4) x 55(D) [mm]				
Protectiv External Panel cu	output ve construction	Complied with SD standard, 1ch, Supported me Application: project data read/write, FAT16 format: max. 2GB, Single tone (tone Front: I	mory card: SDHC memory card, SD memory ca OS installation, logging data storag FAT32 format: max. 32GB length adjustable) P67f *7 1 / x 55(D) [mm] 21(H) [mm]				

- Applicable solitware packages [In Works version] set of hater (hot supported by Ch Works/Ch Designer2).
 I on LCD panels, bright dots (permanently lift) and black dots (never lift) generally appear. Because the number of display elements that exist on an LCD panel is large, it is not possible to reduce appearance of the bright and black dots to zero. Flickering may occur depending on the display colors. Note that the existence of bright and black dots is a standard characteristic of LCD panels, 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.
 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.
 SU using the GOT screen save/backlight OFF functions prevents screen burn-in and extends the backlight life.
 An analog resistive touch display is used. When 2 points on the screen are touched simultaneously.
 The memory is ROM that permits overwriting of new data without having to delete the existing data.
 Sing the 2 points thate existence changes review to may not the clear mously.
 The memory is ROM that permits overwriting of new data without having to delete the oxisting data.
 Sing the connection configuration.
 This does not guarantee protection in all users' environments. The specification is not applied when the

- unit according to the connection configuration. #7: This does not guarantee protection in all users' environments. The specification is not applied when the interface protective cover and rear face protective cover are removed. The unit may not be used in an environment where it is exposed to splashing oil or chemicals for a long time or soaked with oil mist.

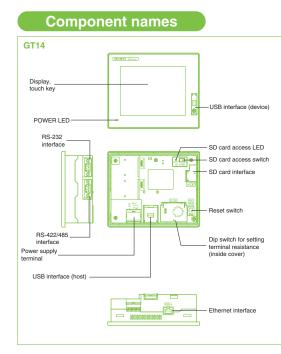
- *1 : Water bulb temperature for STN display type must be 39°C or lower.
 *2 : Do not operate or store the GOT unit in pressurized environments where the pressure exceeds 0m elevation atmospheric pressure, as this could result in abnormal operation. Do not pressure exceeds the control panel for air 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 2500V for devices with ratings up to 300V
- with ratings pt to 300V.
 *44 Index that indicates the level of foreign conductive matter in the operating environment of the device. Contamination level 2 denotes contamination by non-conductive matter only, though momentary conductivity may occur due to occasional

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

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

Item	GT1455-QTBDE	GT1450-QLBDE			
Input power supply voltage	24VDC (+10%, -15%), ripple voltage of 200mV or less				
Input frequency	-				
Input maximum apparent power	-				
Fuse (built-in, not replaceable)	1.6	δA			
Power consumption	8.40W	or less			
Fower consumption	(350mA/24VDC)				
With backlight off	7.44W or less (310mA/24VDC)				
Inrush current	30A or less (2ms, at max. load)				
Permissible instantaneous failure time	Within 5ms				
Noise resistance	Noise voltage 1000Vp-p, noise width 1µs				
Noise resistance	by noise simulator with noise frequency 30 to 100Hz				
Withstand voltage	500VAC for 1 minute between power supply terminal and ground				
Insulation resistance	$10M\Omega$ or higher with an insulation resistance tester				
Insulation resistance	(500VDC between power supply terminal and ground)				
Applicable wire size	0.75 to 2	2 [mm ²]			
Clamp terminal	Clamp terminals for M3 screw	RAV1.25-3, V2-N3A, FV2-N3A			
Tightening torque (terminal block's terminal screws)	0.5 to 0.8 [N·m]				

Power supply specifications



GT12

General specifications

Item		Specification							
Operating ambient Display		0°C to 50°C							
emperature	Other than display			0°C to	₀ 55°C				
Storage ambien	t temperature			-20°C t	o 60°C				
Operating ambie	ent humidity			10 to 90%RH, r	o condensation				
Storage ambien	t humidity			10 to 90%RH, r	o condensation				
				Frequency	Acceleration	Half amplitude	Sweep count		
		Conforming	Under intermittent	5 to 8.4Hz	-	3.5mm	10 times each in X,		
Vibration resista	ance	to JIS B 3502 and	vibration	8.4 to 150Hz	9.8m/s ²	-	Y and Z directions		
		IEC 61131-2	Under continuous	5 to 8.4Hz	-	1.75mm			
			vibration	8.4 to 150Hz	4.9m/s ²	-	_		
Impact resistand	ce	Conforming	to JIS B 3502 and	IEC 61131-2 (1	47m/s ² , 3 times	each in X, Y an	d Z directions)		
Operating atmos	sphere	No oily smoke, corrosive gas or combustible gas, less conductive dust, away from direct sunlight (the same in storage							
Operating altitud	de <mark>*1</mark>	2,000m or lower							
Installation locat	tion	In control panel							
Overvoltage category*2				I or I	ower				
Contamination I	evel ^{*3}			2 or	less				
Cooling method				Self-c	ooling				
Grounding		Ту	/pe D grounding (1	100Ω or less). C	Connect to pane	l if unable to gro	und.		

Performance specifications

		Specifi	cation			
Item		GT1275-VNBA GT1275-VNBD	GT1265-VNBA GT1265-VNBD			
	Туре	TFT col				
	Screen size	10.4"	8.4"			
	Resolution	VGA: 640 ×	480 [dots]			
	Display size	211.2(W) × 158.4(H) [mm] 170.9(W) × 128.2(H)				
Display	No. of displayed characters	16-dot standard font: 40 o 12-dot standard font: 53 o				
	Display colors	256 c	olors			
	View angle*2	Right/left: 45°,	Up/down: 20°			
	Intensity	200 [c	d/m ²]			
	Intensity adjustment	4-step ad	justment			
	Life	Approx. 52,000 hours (operatir	g ambient temperature: 25°C)			
Backligh	t	Cold-cathode fluorescent tub	e (replaceable), 1CCFL light			
Ŭ		50,000 hours or more (at standard lamp current = 6.0 (mA))	(1 // 0			
	Life*3	(Time for display intensity reaches 50% at				
Turno		Analog res	· • · · ·			
	Туре	· · · · · ·	••			
Touch	Key size	Min. 2 × 2 [do				
panel *7	No. of simultaneous touch points	Simultaneous touch prohibited*4 simultaneously, the switch may function	near the center of the pressed points.)			
	Life ^{*8}	1,000,000 times or more (operating force 0.98N or less)				
	Detection distance	-				
Human	Detection range	-	-			
sensor	Detection delay time	-				
	Detection temperature	-				
Memory	C drive	6MB built-in flash memory (for	r saving project data and OS)			
*5	Life (No. of writings)	100,000 times				
		GT11-50BAT type lithium battery (optional)				
Battery	Backed up data	Clock data, alarm history, and recipe data				
	Life	Approx. 5 years (operating ambient temperature: 25°C)				
	RS-232*6	RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bp Connector shape: D-sub 9-pin (male) Aplicator: Communication with corrected devices, correction to personal computer (project data read/write, CS restalation, FA transport function				
	RS-422/485	RS-422/485, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bp Connector shape: D-sub 9-pin (female) Application: Communication with connected devices				
Built-in interface	Ethernet	Data transfer system: 100BASE-TX, 1ch Application: Communication with connected devices, connection to pers				
	USB	USB (Full Speed 12 Mbps), device Application: Connection to personal computer (project d				
	CF card	Compact flash slot, 1ch Connector shape: TYPE I Application: Data transfer,	data storage, GOT startup FAT16 format: max. 2GB, FAT32 format: not usable			
	Optional function board					
	Extension unit*6	-				
Buzzer c		Single tone (tone I	ength adjustable)			
	e construction	IP6	• • ·			
	dimensions	303(W) × 214(H) × 53(D)	241(W) × 190(H) × 58(D)			
	t dimensions	289(W) × 200(H) [mm]	227(W) × 176(H) [mm]			
	cl. mounting brackets)	2.3 [kg]	1.7 [kg]			
<u> </u>	e software package	GT Works3 Version1.54G or later (not s				
*1 : On LC displa	D panels, bright dots y elements that exist o	(permanently lit) and black dots (never lit) ge n an LCD panel is large, it is not possible to ences in LCD panels may cause differences	enerally appear. Because the number of reduce appearance of the bright and blac			

dors to zero. Individual dimerences in LCD panels may cause dimerences in color, uneven ongrinness and nickering Note that this is a characteristic of LCD panels and it does not mean the products are defective or damaged. *2 : LCD panels have characteristics of tone reversal. Note that even within the indicated view angles, the

- *2: LCD panels have characteristics of tone reversal. Note that even within the indicated view angles, the screen display may not be lear enough depending on the display color.
 *3: Using the GOT screen save/backlight OFF functions prevents screen burn-in and extends the backlight life.
 *4: An analog resistive touch display is used. When 2 points on the screen are touched simultaneously, if a switch is located the middle of the 2 points then the switch will be activated. Therefore, avoid touching 2 points on the screen simultaneously.
 *5: The memory is a ROM that permits overwriting of new data without having to delete the existing data.
 *6: Where more than one extension unit, barcode reader, and RFID controller are used, the sum of their current level which the extension unit, barcode reader, and RFID controller consume and the current level which the GOT can supply. For the current level which the GOT can supply.
 *7: If necessary, use a stylus pen meeting the following specifications.
 * Material: Polyacetal resin Pen point radius: 0.8mm or more
 *8: When using a stylus pen, it will be 10,000 times or more (operating force 0.98N max). Since the touch panel is a consumable product structurally, it may not be used even fewer than above, depending on the usage method and environment.

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

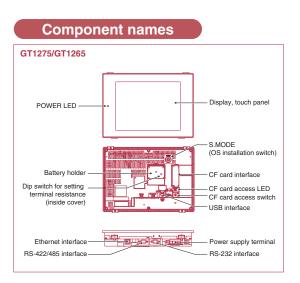
Do not use or store the GOT under direct sun light or in an environment with excessively high temperature, dust, humidity or vibration.

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

Power supply specifications

	Itom	Specif	ication		
Item		GT1265/75-VNBA	GT1265/75-VNBD		
Input	power supply voltage	100 to 240VAC (+10%, -15%)	24VDC (+25%, -20%)		
Input frequency		50/60Hz ±5%	-		
Input	maximum apparent power	44VA (at max. load)	-		
Pov	ver consumption	18W or less	11W or less		
v	Vith backlight off	15W or less	6W or less		
loru	sh current	40A or less	29A or less		
Inru	sn current	(4ms, at max. load)	(2ms, at max. load)		
Permissible instantaneous failure time		Within 20ms (100VAC or more)	Within 10ms		
Noi	se resistance	Noise voltage 1500Vp-p, noise width 1µs by noise simulator with noise frequency 25 to 60Hz	Noise voltage 500Vp-p, noise width 1µs by noise simulator with noise frequency 25 to 60Hz		
Withstand voltage*1		1500VAC for 1 minute between power supply terminal and ground	500VDC for 1 minute between power supply terminal and ground		
Insulation resistance*1		10MΩ or higher with an insulation resistance tester (500VDC between power supply terminal and ground)			
App	licable wire size	0.75 to	2 [mm ²]		
Cla	mp terminal	Clamp terminals for M3 screw RAV	1.25-3, V2-S3.3, V2-N3A, FV2-N3A		
	ening torque (terminal t's terminal screws)	0.5 to 0	.8 [N·m]		

*1: In DC type products, the surge absorber is connected between the power supply and the ground to avoid a malfunction due to noise caused by the application of lightning surge. The values of the dielectric withstand voltage and insulation resistance are recorded when the surge absorber is not connected.





5







t of Con Models , etc.

GT11 GT10

General specifications

General	specific	ations						
Iter	n	Specification						*1 : Water bulb temperature for STN display type must be 39°C or lower.
Operating ambient	Display			0°C to	50°C*5			*2 : Do not operate or store the GOT unit in pressurized environments where the pressure exceeds 0m elevation atmospheric pressure,
temperature	Other than display		0°C to 55°C (horiz	ontal installation)	, 0°C to 50°C (ve	rtical installation)*	\$	as this could result in abnormal operation.
Storage ambient	temperature			-20°C t	to 60°C			*3 : Assuming that the device is connected at some point between a
Operating ambier	nt humidity ^{*1}			10 to 90%RH, r	no condensation			public power distribution network and local system equipment. Category II applies to devices that are supplied with power from
Storage ambient	humidity*1	10 to 90%RH, no condensation						fixed equipment. The surge withstand voltage is 2500V for devices
				Frequency	Acceleration	Half amplitude	Sweep count	with ratings up to 300V.
		to JIS B 3502 and	o JIS B 3502 vibration	5 to 8.4Hz	-	3.5mm	10 times each in X,	*4 : Index that indicates the level of foreign conductive matter in the operating environment of the device. Contamination level 2
Vibration resistan	ce			8.4 to 150Hz	9.8m/s ²	-	Y and Z directions	denotes contamination by non-conductive matter only, though
			61131-2 Under continuous	5 to 8.4Hz	-	1.75mm		momentary conductivity may occur due to occasional
		vibration		8.4 to 150Hz	4.9m/s ²	-	-	condensation.
Impact resistance	9	Conforming to JIS B 3502 and IEC 61131-2 (147m/s ² , 3 times each in X, Y and Z directions)						*5 : 0 to 40°C for GT115_HS *6 : Excluding GT115_HS
Operating atmosp	ohere	Free from oil mist, c	orrosive gases, flammable g	ases and excessive co	nductive dusts or direc	t sun beams (The same	applies to unit storage.)	*7 : The 5VDC type requires no grounding.
Operating altitude	Deperating altitude ^{%2} 2000m or less							Do not use or store the GOT under direct sun light or in an environment
Installation location	on			In contro	l panel <mark>*</mark> 6			with excessively high temperature, dust, humidity or vibration.
Overvoltage cate	gory *3			I or l	ower			For inquiries relating to products which conform to UL, cUL, and CE
Contamination le	vel ^{*4}			2 or	less			directives and shipping directives, please contact your local sales office.
Cooling method				Self-co	ooling			
Grounding			Type D grounding (100Ω or less). Co	onnect to panel if	unable to ground.	*7	

Type D grounding (100 Ω or less). Connect to panel if unable to ground.*

Performance specifications

					Specif	ication						
	ltem	GT1155-QTBD	GT1155-QSBD	GT1150-QLBD	GT1155-QTBDQ GT1155-QTBDA	GT1155-QSBDQ GT1155-QSBDA	GT1150-QLBDQ GT1150-QLBDA	GT1155HS-QSBD	GT1150HS-QLBD			
	Туре	TFT color LCD	STN color LCD	STN monochrome (black/white) LCD	TFT color LCD	STN color LCD	STN monochrome (black/white) LCD	STN color LCD	STN monochrome (black/white) LCD			
	Screen size				5	.7"						
	Resolution				QVGA: 320	× 240 [dots]						
	Display size	115(W) × 86(H) [mm] (in horizontal display mode) 115(W) × 86(H) [mm] (in horizontal display mode) 115(W) × 86(H) [mm]										
	No. of displayed characters		izontal display mode)									
	Display colors	256	colors	Monochrome (black/white) 16 gray scale	256 0	colors	Monochrome (black/white) 16 gray scale	256 colors	Monochrome (black/white) 16 gray scale			
Display *1	View angle	Right/left: 70°, Up: 70°, Down: 50° (in horizontal display mode)	 Right/left: 50°, Up: 50°, Dowr: 60° (Hardware versions A and B) (In horizontal display mode) Right/left: 55°, Up: 65°, Dowr: 70° (Hardware version C or later) (In horizontal display mode) 	Right/left: 45°, Up: 20°, Down: 40° (in horizontal display mode)	Right/left: 70°, Up: 70°, Down: 50° (in horizontal display mode)	Right/left: 55°, Up: 65°, Down: 70° (in horizontal display mode)	Right/left: 45°, Up: 20°, Down: 40° (in horizontal display mode)	 Right/left: 50°, Up: 50°, Down: 60° (Hardware versions A and B) Right/left: 55°, Up: 65°, Down: 70° (Hardware version C or later) 	Right/left: 45°, Up: 20°, Down: 40°			
	Contrast adjustment	-	16-step a	djustment	-		16-step a	djustment				
	Intensity	400 [cd/m ²]	• 350 [cd/m ²] (Hardware versions A and B) • 380 [cd/m ²] (Hardware version C or later)	220 [cd/m ²]	400 [cd/m ²]	380 [cd/m²]	220 [cd/m ²]	350 [cd/m ²] (Hardware versions A and B) 380 [cd/m ²] (Hardware version C or later)	220 [cd/m ²]			
	Intensity adjustment	8-step adjustment										
	Life	Approx. 50,000 hours (operating ambient temperature: 25°C)										
Backlight		Col	d-cathode fluorescent					een save time can be	set.			
U	Life*2		0 hours or more	Approx. 54,000 hours or more	-) hours or more	Approx. 54,000 hours or more		Approx. 54,000 hours or more			
	Туре			(istive type						
	No. of touch keys			300 kov			columne)					
Touch	Key size	300 keys/screen (matrix consisting of 15 lines × 20 columns) Min. 16 × 16 [dots] (per key)										
panel			Max. 2 points									
	No. of simultaneous touch points Life			1 000			1)					
		1,000,000 times or more (operating force 0.98N or less) 3MB built-in flash memory (for saving project data and QS)										
	C drive*3	3MB built-in flash memory (for saving project data and OS) 100,000 times										
Memory	Life (No. of writings)											
	D drive				512KB built-in SRA							
					GT11-50BAT typ	e lithium battery						
Battery	Backed up data	Clock data, alarm history, recipe data, time action set values										
	Life	Replacement guideline approx. 5 years (operating ambient temperature: 25°C)										
	Bus		-		1ch for QnA/A	mode)/motion controlle CPU/motion controller tion: For bus connectio	CPU (A series)	-	-			
	RS-422/485	Connec Applica Terminal	RS-422/485, 1ch : 115200/57600/38400/ tor shape: D-sub 9-pin tion: Communication w resistance ^{\$5} : OPEN/11 y terminal resistance tra	(female) th PLCs 0Ω/330Ω		-			-			
Built-in interface	RS-422/232		-		-			RS-422/232, 1ch (Select one when using.) Transmission speed: 115200/ 57600/38400/19200/9600/4800bps Connector shape: Round type, 32-pin (male) Application: Communication with connected devices				
	RS-232	RS-232, 1ch RS-232, 1ch RS-232, 1ch Transmission speed: 115200/5760/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male) Transmission speed: 115200/5760/38400/19200/9600/4800bps S7600/ Connector shape: D-sub 9-pin (male) Application: Communication with connected devices, connector to personal computer Application: Connection to personal computer Application, Connection to personal computer Application, Connection to personal computer (project data read/write, OS installation, (project data read/write, OS installation,						RS-232, 1ch, Transm 57600/38400/192 Connector shape: Mi Application: Connectio (project data read/w	ission speed: 115200/ 200/9600/4800bps ni-DIN 6-pin (female) n to personal computer			
		USB (full-speed 12Mbps), device 1ch Connector shape: Mini-B Application: Connection to personal computer (project data read/write, OS installation, FA transparent function, etc.)										
	USB		Applicatio	n: Connection to perso	mai computer (project o							
	USB CF card	Compact flas	Applications Appli			, data storage, GOT sta	artup FAT16 format:	max. 2GB, FAT32 form	at: not usable			
		Compact flas			plication: Data transfer	, data storage, GOT sta in main unit	artup FAT16 format:	max. 2GB, FAT32 form	at: not usable			
Buzzer o	CF card Optional function board	Compact flas			plication: Data transfer Embedded	5	artup FAT16 format:	max. 2GB, FAT32 form	at: not usable			
	CF card Optional function board			or shape: TYPE I Ap	plication: Data transfer Embedded Single tone (tone	in main unit		IP				
External	CF card Optional function board utput	Fr	sh slot, 1ch Connecto	or shape: TYPE I Ap	plication: Data transfer Embedded Single tone (tone	in main unit length adjustable)	2X	IPe (when external connec	65f			
Protectiv External (without	CF card Optional function board utput e construction ^{#4} dimensions	Fr	sh slot, 1ch Connector	nr shape: TYPE I Ap	plication: Data transfer Embedded Single tone (tone	in main unit length adjustable) ont: IP67f In panel: IP	2X mm]	IPe (when external connec	35f tion cable is connected)			
Protectiv External (without	CF card Optional function board utput e construction*4 dimensions USB port cover)	Fr 164	sh slot, 1ch Connecto ront: IP67f In panel: IP 4(W) × 135(H) × 56(D) [or shape: TYPE I Ap 2X mm]	plication: Data transfer Embedded Single tone (tone Fr 167	in main unit length adjustable) ont: IP67f In panel: IP (W) × 135(H) × 65(D) [2X mm]	IPe (when external connec	55f tion cable is connected) H) × 93(D) [mm] -			

Power supply specifications

	Item	GT1155-QTBD GT1155-QSBD GT1155HS-QSBD	GT1150-QLBD GT1150HS-QLBD	GT1155-QTBDQ GT1155-QTBDA	GT1155-QSBDQ GT1155-QSBDA	GT1150-QLBDQ GT1150-QLBDA	
Inp	ut power supply voltage				24VDC (+10%, -15%), r	
Inp	out frequency						
Inpu	It maximum apparent power						
De	wer consumption	9.84W or less	9.36W or less	11.16W or less	9.72W or less	7.92W or less	
PC	wer consumption	(410mA/24VDC)	(390mA/24VDC)	(465mA/24VDC)	(405mA/24VDC)	(330mA/24VD0	
	With backlight off	4.32W or less (1	180mA/24VDC)	5.04W	or less (210mA/2	4VDC)	
Inr	ush current	15A or less (2m	s, at max. load)	26A or	less (4ms, at max	k. load)	
Perr	nissible instantaneous failure time	Withir	n 5ms	Within 10ms			
NIc	ise resistance	Noise voltage 1000V	p-p, noise width 1µs	Noise volta	ge 500Vp-p, nois	e width 1μs	
INC	ise resistance	by noise simulator with noi	se frequency 30 to 100Hz	by noise simulate	or with noise frequ	ency 25 to 60H	
Wi	thstand voltage				500VAC for 1	minute betweer	
Ins	sulation resistance			$10M\Omega$ or higher v	vith an insulation	resistance teste	
Ap	plicable wire size				0.75 to 2 [mm ²]*1		
Cl	amp terminal		Clam	p terminals for M3	screw RAV1.25-	3, V2-N3A, FV2	
	ntening torque (terminal				0.5 to 0.8 [N·m]*1		
	ck's terminal screws)						
k1 :	Excluding GT115	HS					

Performance specifications

	Specification					
Item	GT1055-QSBD	GT1050-QBBD	GT1045-QSBD	GT104		
Туре	STN color LCD	STN monochrome (blue/white) LCD	STN color LCD	STN mo (blue/wl		
Screen size	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 12-dot standard	6-dot standard font: 20 font: 26 chars. × 20 lin	chars. × 15 lines (2-byte es (2-byte) (in horizonta	e), al display m		
Display colors	256 colors	Monochrome (blue/white) 16 gray scale	256 colors	Monochrom 16 gra		
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/le Up: 20°, [(in hor display		
Contrast adjustment		16-step a	djustment			
	380 [cd/m ²]	260 [cd/m ²]	150 [cd/m ²]	300 [
Life		Approx. 50				
t	with backlight OFF	detection function.	LED (no nee Backlight off time time cal			
	Approx. 75,000 hours or more	Approx. 54,000 hours or more		-		
Life ^{*2}	(Time for display inte	nsity reaches 50% at		_		
Туре		Matrix res	istive type			
No. of touch keys		Max. 50 ke	eys/screen			
Key size						
No. of simultaneous touch points	Max. 2 points					
Life	1,000,000 times or more (operating force 0.98N or less)					
			· · · · ·			
1						
Backed up data	Clock d			t values		
	Replacement guideline approx. 5 years (operating ambient temperature: 2					
RS-422/485	RS-422/485, 1ch	Transmission speed: 1 Connector shape: D Application: Comm	15200/57600/38400/19 D-sub 9-pin (female) unication with PLCs	200/9600/4		
RS-232	RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/48 Connector shape: D-sub 9-pin (male) Application: Communication with PLCs, connection with barcode reade communication with personal computers (project data read/write, OS installation, transparent function)					
USB	USB (full-speed 12Mbps), device 1ch Connector shape: Mini-B Application: Communication with personal computer (project data read/write, OS installation, transparent function)					
Memory board	F	or installing memory be	oard (GT10-50FMB) 1c	h		
		Single tone (tone len	gth adjustable/none)			
e construction*4		Conforming to IF	P67f (front panel)			
dimensions	164(W) × 135(H) × 56(D)[mm]	139(W) × 112(H) × 41(D)[
t dimensions	153(W) × 1	21(H)[mm]	130(+1 -0)(W) × 1	103(+1 -0)(l		
cl. mounting brackets)	0.7	[kg]	0.45	5[kg]		
e software package		GT Works3 Vers	ion1.54G or later			
se the number of disp and black dots to zerco ing may occur depend at the existence of br tts are defective or da ying one single screen ear. Use the screen s the GOT screen save.	lay elements that exist o , ding on the display colors ight and black dots is a s maged. for a long time can lead saver that is effective to p /backlight OFF functions rmits overwriting of new	n an LCD panel is large, s. standard characteristic of I to burn-in, causing after prevent burn-in. prevents screen burn-in data without having to de	it is not possible to reduce LCD panels, and it does images or image irregula and extends the backligi	s not mean t arities that c nt life.		
	Screen size Resolution Display size No. of displayed characters Display colors View angle Contrast adjustment Intensity Life Contrast adjustment Intensity Life No. of touch keys Key size No. of touch keys Key size User memory*3 Life User memory*3 Life RS-422/485 RS-232 USB Memory board utput e construction*4 dimensions t dimensi	Screen size 5. Resolution Display size 115(W) × 86(H) [mm] (in Display size 115(W) × 86(H) [mm] (in 112-dot standard Obsplay colors 256 colors 112-dot standard Display colors 256 colors Righ/left: 55°, Uiew angle 115(W) × 86(H) [mm] (in Uiew angle Cold-cathods fluoreser (in horizontal display mode) 114 Contrast adjustment Intensity 380 [cd/m²] 116 Life (Time for display of colors and colors and colors) No. of nore display inteoperating ambient to operating ambient to operating ambient to the display inteoperating ambient to the displa	Hype SIN color LCD (blue/white) LCD Screen size 5.7" Resolution QVGA: 320 Display size 115(W) × 86(H) [mm] (in horizontal display mode) No. of displayed characters 12-dot standard font: 26 chars. × 20 lin horizontal display mode) Display colors 256 colors Monochrome (blue/white) 16 gray scale Contrast adjustment 16-stops (in horizontal display mode) 16-stops (in horizontal display mode) Contrast adjustment 16-stops (Time for display contrast reaches 20% at nonzontal display mode) Approx. 54,000 hours or more Life Cold-cathode fluorescent tube (not replaceable) with backlight OFF detection function. Backlight off time and screen save time can be set. Operating ambient temperature of 25°C) Type Matrix res No. of touch keys Max. 50 kk Key size Min. 16 × 16 [1,000,000 times or more (or User memory*3 Built-in flash memory for saving p Life 1,000,000 times or more (or User memory*3 Backed up data Clock data, alarm history, reci Connector shape: L Application: Communication with PL Connector shape: L Application: Communication with PL Connec	Type SIN color LCD (blue/white) LCD SIN color LCD Screen size 5.7" View and the second se		

0		
Specification Q GT1055-QSBD GT1050-QBBD	GT1045-QSBD GT1040-QB	BD
ripple voltage of 200mV or less		
_	1	
s 9.84W or less 9.36W or less C) (410mA/24VDC) (390mA/24VDC)	3.6W or less (150mA/24VDC)	NDEX
4.32W or less (180mA/24VDC)	2.9W or less (120mA/24VDC)	
	15A or less (26.4V) 2ms Within 5ms	[
	voltage 1000Vp-p, noise width 1μs	
Hz by noise sir n power supply terminal and ground	mulator with noise frequency 30 to 100Hz	
er (500VDC between power supply te	Single-wire] 0.14 to 1.5 [mm²], AWG26 to AWG16 (single wire) installation 0.25 to 0.5 [mm²], AWG24 to AWG20 (bar terminal with ir Two-wire [0.14 to 0.5 [mm²], AWG26 to AWG20 (single wire) installation] 0.14 to 0.2 [mm²], AWG26 to AWG24 (stranded wire)	
2-113A	AI2.5-6BU, AI0.34-6TQ, AI0.5-6WH (made by Phoer 0.22 to 0.25 [N·m]	
40-QBBD GT11	conent names	For Initial Startup &
CF card acce	ess LED CF card cover	
vhite) LCD	Battery	For Maintenan Personnel
Power supply	terminal Reset switch	prso
display mode)		Personnel
mode) CF card interface		Ince
ne (blue/white) ray scale POWER LED		
left: 45°, USB interface	Display, tou	ich key
Down: 40° prizontal	GT115Q_BD GT115Q_BDQ GT115Q_BDA	<u>ם</u>
y mode)	RS-232 interface Bus interface	T10
[cd/m ²] B Termi	RS-422 interface RS-232 interface nal resistance transfer switch	-
of 25°C)	(inside cover) -	
ce)	QBDQ and GT115-QBDA do not have a reset switch.	
GT115 HS (F	landy)	IQ Platform
Interface protectiv	CF card interface RS-232 interface	lat
cover	Emergency stop switch	orm
USB interface	Hook for mounting	wall
Key type selector switch Display, touch ke POWER LED Operation switch (6 switches)	y real lace	protective Process Con
RS-422/232		
25°C) interface	Grip switch	E
4800bps GT105		erna
nsfer switch)	Memory board inte	erface Din Ca
800bps		nens
ers, Battery	USB interface	s,
Power supply terr	ninal Terminal resistance switch (inside covi	e transfer
POWER LED	RS-232 in Display, touch #	terface Models, etc.
(H)[mm] GT104		
nce of the Memory board - interface USB	Battery Terminal resistance tran (inside cover) Power supply terminal	isfer switch
that the interface could not	RS-232 interfac	e
Display, touch ke	ey RS-422 interfac	e
e protective		

cording to the

GT10

Power supply specifications Component names GT1030/GT1020 nterface for con with personal compute (RS-232) 5VDC (±5%), supplied from Input power supply voltage 24VDC (+10%, -15%), ripple voltage of 200mV or less PLC communication cable Input frequency Input maximum apparent pow Power consumption With backlight off 2.2W or less (90mA/24VDC) 1.9W or less (80mA/24VDC) 1.1W or less (220mA/5VDC) 1.7W or less (70mA/24VDC) 1.2W or less (50mA/24VDC) 0.6W or less (120mA/5VDC) Display, touch ke 18A or less (26.4DCV) 1ms 13A or less (26.4DCV) 1ms Inrush current Within 5ms Permissible instantaneous failun Noise voltage 1000Vp-p. noise width 1us Noise resistance by noise simulator with noise frequency 30 to 100Hz Withstand voltage 500VAC for 1 minute between power supply terminal and ground $10M\Omega$ or higher with an insulation resistance tester Insulation resistance (500VDC between power supply terminal and ground) 0.14 to 1.5mm², AWG26 to AWG16 (single wire), 0.14 to 1.0mm², AWG26 to AWG16 (stranded wire), 0.25 to 0.5mm², AWG24 to AWG20 (bar terminal with insulation sleeve) Applicable wire size Single-wire installation Two-wire installation 0.14 to 0.5mm², AWG26 to AWG20 (single wire), 0.14 to 0.2mm², AWG26 to AWG24 (stranded wire) C Power supply terminal Power supply terminal Clamp terminal AI2.5-6BU, AI0.34-6TQ, AI0.5-6WH (made by Phoenix Contact) RS-422 interface, RS-232 interface D RS-422 interface Tightening torque (terr 0.22 to 0.25 [N·m] wer supply block's terminal screws) E transfer switch _ Do not use or store the GOT under direct sun light or in an environment with excessively high temperature, dust, humidity or vibration. For inquiries relating to products which conform to UL, cUL, and CE directives and shipping directives, please contact your local sales office

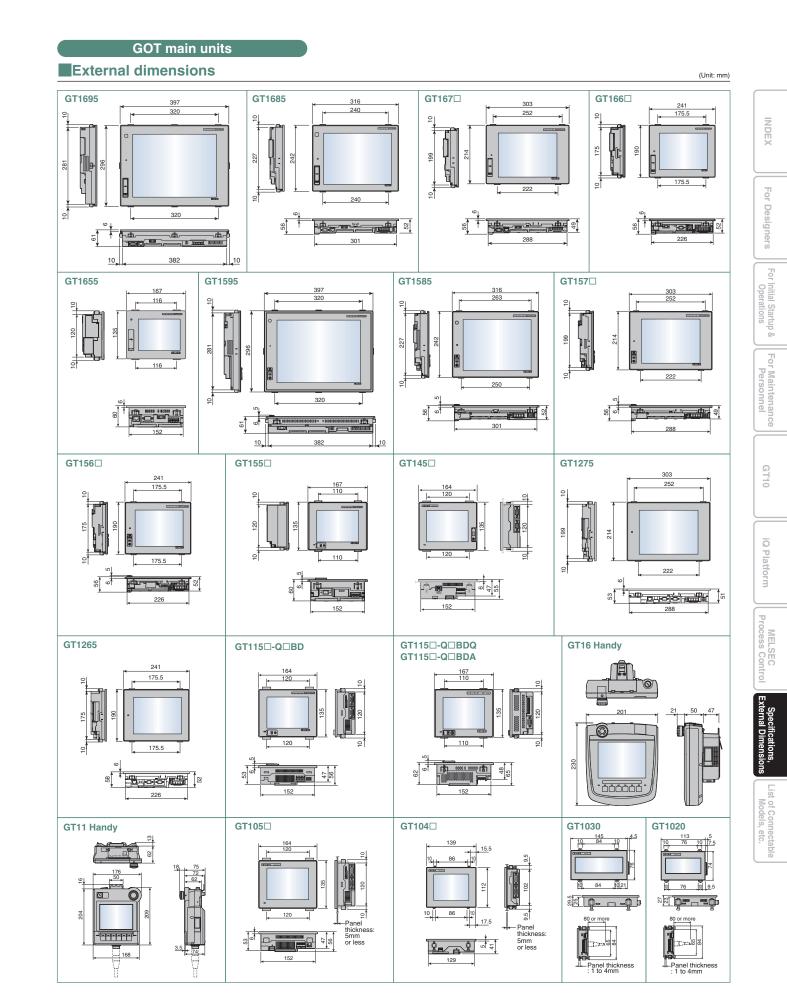
Performance specifications

					Specif	ication						
	Item	GT1030-HBD GT1030-HWD GT1030-HBL GT1030-HWL	GT1030-HBDW GT1030-HWDW GT1030-HBLW GT1030-HBLW	GT1030-HBD2 GT1030-HWD2	GT1030-HBDW2 GT1030-HWDW2	GT1020-LBD GT1020-LWD GT1020-LBL GT1020-LWL	GT1020-LBDW GT1020-LWDW GT1020-LBLW GT1020-LWLW	GT1020-LBD2 GT1020-LWD2	GT1020-LBDW2 GT1020-LWDW2			
	Туре				STN monochrome	(black/white) LCD						
	Screen size		4.	5"			3	7"				
	Resolution		288 × 96 [dots] (ir	horizontal mode)			160 × 64 [dots] (ir	n horizontal mode)				
	Display size	1	109.42(W) × 35.98(H)[r	nm](in horizontal mode))		86.4(W) × 34.5(H)[mr	n](in horizontal mode)				
	No. of displayed characters	16-dot standard font: 36 of 12-dot standard font: 48 of 12										
Display*1	Display colors				Monochrome	(black/white)						
	View angle			Right/le	ft: 30°, Up: 20°, Down:	30°(in horizontal display	/ mode)					
	Contrast adjustment				16-step a	Idjustment						
	Intensity	200 [cd/m ²] (in green)	500 [cd/m ²] (in white)	200 [cd/m ²] (in green)	500 [cd/m ²] (in white)	200 [cd/m ²] (in green)	300 [cd/m ²] (in white)	200 [cd/m ²] (in green)	300 [cd/m ²] (in white			
	Intensity adjustment		8-step ad					-				
	Life		Appro	x. 50.000 hours (Time)	for display contrast read	ches 20% at operating a	mbient temperature of	25°C)				
		3-color LED	3-color LED	3-color LED	3-color LED	3-color LED	3-color LED	3-color LED	3-color LED			
Backlight	Color	(green, orange and red) (no need to replace)	(white, pink and red) (no need to replace)	(green, orange and red) (no need to replace)	(white, pink and red) (no need to replace)	(green, orange and red) (no need to replace)	(white, pink and red) (no need to replace)	(green, orange and red) (no need to replace)	(white, pink and red) (no need to replace)			
	Function	Status contro	l (color, on/flashing/off)	is available and screer	save time setting can	be set. PLC can contro	l color and status of ba	cklight based on system	information.			
	Туре		Matrix res	istive type			Analog re:	sistive type				
	No. of touch keys				Max. 50 k	eys/screen						
Touch	Key size		Min. 16 × 16 [dots] (per key)			Min. 2 × 2 [d	ots] (per key)				
panel	No. of simultaneous touch points		Max. 2			(If there is a swite	Impo	ssible pressed keys, the swit	ch may function.)			
	Life			1,00	0,000 times or more (or	perating force 0.98N or	ess)					
	User memory*2	Built-in flasl	h memory for saving p	oject data (1.5MB or le	ss) and OS	Built-in flash memory for sa	ving project data (512KB or le	ess), OS, alarm history, recipe	data, time action set values			
Memory	Life (No. of writings)				100,00	0 times						
			GT11-50BAT typ	e lithium battery				-				
Battery	Backed up data	Clock d	lata, alarm history, reci	pe data, time action set	values			-				
	Life	Replacement gu	ideline approx. 5 years	(operating ambient ten	nperature: 25°C)			-				
Built-in interface	For communication with PLC	GT1030-HBD/HWD, G RS-422/485, 1ch T 115200/57600/38400/ Connector shape: Conner Application: Comm Terminal resistance ⁸³ (switched by terminal resi GT1030-HBL/HWL, G RS-422, 1ch Tra	Transmission speed: 19200/9600/4800bps cter terminal block, 9-pin unication with PLC 2: OPEN/110Ω/330Ω sistance transfer switch) T1030-HBLW/HWLW Insmission speed:	Connector shape: Conne	nission speed: 115200/ 00/9600/4800bps scter terminal block, 9-pin unication with PLC	GT1020-LBD/LWD, G RS-422/485 1ch 115200/57600/38400. Connector shape: Conne Application: Comm Terminal resistance [®] (switched by terminal re GT1020-LBL/LWL, G RS-422 1ch Tr.	Fransmission speed: 19200/9600/4800bps ctor terminal block, 9-pin unication with PLC ³ : OPEN/110Ω/330Ω sistance transfer switch) T1020-LBLW/LWLW ansmission speed:	RS-232, 1ch Transn 57600/38400/192 Connector shape: Conne Application: Comm	00/9600/4800bps cter terminal block, 9-pir			
	For	115200/57600/38400/ Connector shape: Connec Application: Commu	ctor terminal block, 9-pin			115200/57600/38400/19200/9600/4800bps Connector shape: Connector terminal block, 9-pin Application: Communication with PLC						
	communication			RS-232, 1ch 1	Connector shape: M	5200/57600/38400/1920 ini DIN 6-pin (female)		at function)				
	with personal computer		Applicatio	n: Communication with	personal computer (pro	oject data read/write, OS	installation, transparer					
Buzzer ou	with personal computer		Applicatio	n: Communication with		ngth adjustable/none)	installation, transparer					
	with personal computer		Applicatio	n: Communication with	Single tone (tone ler	-	Installation, transparer					
Protective	with personal computer utput		145(W) × 76(H	× 29.5(D)[mm]	Single tone (tone ler	ngth adjustable/none)	113(W) × 74(H	l) × 27(D)[mm]				
Protective External of	with personal computer utput e construction*4			× 29.5(D)[mm]	Single tone (tone ler	ngth adjustable/none) P67f (front panel)	113(W) × 74(H 105(W) ×	l) × 27(D)[mm] 66(H)[mm]				
Protective External of	with personal computer utput e construction ^{#4} dimensions	GT1030-H_D(W): 0.3kg GT1030-H_L(W): 0.28kg	145(W) × 76(H) 137(W) × (excl. mounting brackets)	9 × 29.5(D)[mm] 66(H)[mm]	Single tone (tone ler	ngth adjustable/none) P67f (front panel)	113(W) × 74(H 105(W) × (excl. mounting brackets)	i) × 27(D)[mm] 66(H)[mm] 0.2kg (excl. mount	ing brackets)			

Because the number of display elements that exist on a LCD panel is large, 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 panels, and it does not mean that the products are defective or damaged. Note that the existence of oright and black dots is a standard characteristic of LCU planels, and it does not mean that the products are detective or damaged. Displaying one single screen for a long time can lead to burn-in, causing afterimages or image irregularities that could not disappear. Use the screen saver that is effective to prevent burn-in. #2: The memory is ROM that permits overwriting of new data without having to delete the existing data. #3: In the case of GOT multi-drop connection, set the terminal resistance transfer switch on the GOT main unit according to the connection configuration. #4: This does not guarantee protection in all users' environments. The specification is not applied when the interface protective cover and rear face protective cover are removed. The unit may not be used in an environment where it is exposed to splashing oil or chemicals for a long time or it is soaked with oil mist.

External dimensions



External dimensions

Panel cut dimensions

GOT main unit aT1695 aT1595 aT1685*1 aT1585*1 aT1585*1 aT167_*2 aT167_*2	A 383.5 302	B 282.5 228	
GT1595 GT1685 ^{*1} GT1585 ^{*1} GT1585 ^{*1}			
GT1585 ^{*1} GT167 ^{*2}	302	228	
		220	
GT1275	289	200	Panel opening
GT166 GT156 GT1265	227	176	
GT1655*3 GT155_*3 GT145_*3 GT145_*3 GT115_*3 GT105_*3	153	121	 *1 : Same dimensions as A985GOT(-V) *2 : Same dimensions as A975/970GOT(-B) *3 : Same dimensions as F940GOT *4 : For the GT104□, GT1030 and GT1020, the tolerances are +1/0.
GT104	130	103	
GT1030	137	66	
GT1020	105	66	-
n unit (mounti	ng unit on control pa	anel) is installed	
A			
4.0	cable or t	he CF card interface of the GC	init on the control panel, make sure that the extension unit does not interfere with the extension un 0T. Place the CF card extension unit at a distance of 25mm or more from the GOT. User's Manual (Hardware) or the GT15 User's Manual.
A	nit (mounti	B 33.0 Cautior When ins cable or the For instal	33.0 When installing the CF card extension u cable or the CF card interface of the GC

Product installation spacing

The GOT must have the clearances from other devices as shown in [Fig. A]. The GOT may require more distance than the dimensions shown in the table depending on the types of connection cables. Consider the connector dimensions and cable bending radius when designing the installation. •GT16/GT15

●G	T16/GT15										(Unit: mm)
	Item	GT1695	GT1685	GT167	GT166	GT1655	GT1595	GT1585	GT157	GT156	GT155
	GOT only	50 or more	(20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 o	r more (20 or n	nore)	50 or more (21 or more)	49 or more
	When a bus connection unit is installed	50 or more	(20 or more)	50 or more (26 or more)	50 or more (36 or more)	50 or more	50 or more	(20 or more)	50 or more (35 or more)	50 or more (40 or more)	50 or more
	When a serial communication unit is installed	50 or more	(20 or more)	50 or more (26 or more)	50 or more (36 or more)	49 or more		r more (20 or n		50 or more (21 or more)	49 or more
	When a RS-422 conversion unit is installed	50 or more	51 or more	63 or more	73 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 o	or more (20 or n		
	When the CC-Link communication unit (GT15-J61BT13) is installed			(20 or more)		50 or more (24 or more)		50 or more	(20 or more)		50 or more (24 or more)
	When a MELSECNET/H communication unit (coaxial) is installed	50 or more (20 or more)	50 or more (24 or more)	50 or more (33 or more)	50 or more	64 or more	50 or more	(20 or more)	50 or more (30 or more)	50 or more (35 or more)	64 or more
	When a MELSECNET/H communication unit (optical) is installed		50 or more (20 or more)*1		79 or more*1	50 or more (20 or more)*	50 or more (23 or more)*1	50 or more (37 or more)*1		79 or more*1
	When a CC-link IE Controller Network communication unit is installed		50 or more	(20 or more)		57 or more	50 or more	(20 or more)	50 or more (23 or more)		57 or more
А	When a CC-Link IE Field Network communication unit is installed		50 or more	(20 or more)		57 or more	50 or more	(20 or more)	50 or more (23 or more)		57 or more
A	When a printer unit is installed	50 or more	(20 or more)	50 or more (26 or more)	50 or more (36 or more)	50 or more (29 or more)		50 or more	(20 or more)		50 or more (29 or more)
	When a multimedia unit is installed		50 or more (20 or more)*2					_		
	When a video input unit is installed			20 or more)*2			-	61 or more*2	75 or more*2	-	-
	When a RGB input unit is installed			20 or more)*3			-		20 or more) ^{*3}	-	-
	When a video/RGB input unit is installed		50 or more (2	0 or more)*2*3			-	61 or more*2*3	75 or more*2*3	-	
	When a RGB output unit is installed		50 or more (20 or more)*3	_		-	50 or more (2	20 or more) ^{*3}		
	When a CF card unit is installed	50 or more	(20 or more)	50 or more (26 or more)	50 or more (36 or more)				(20 or more)		
	When a CF card extension unit is installed	50 or more	(20 or more)	50 or more (26 or more)		50 or more	50 or more (20 or more)	50 or more (49 or more)	63 or more	68 or more	97 or more
	When an audio output unit is installed	50 or more	(20 or more)	50 or more (26 or more)	50 or more (36 or more)	50 or more			r more (20 or n		
	When an external input/output unit is installed	50 or more	(20 or more)	50 or more (26 or more)	50 or more (36 or more)	50 or more	50 or more	(20 or more)	50 or more (24 or more)	50 or more (29 or more)	58 or more
В						80 or more	(20 or more)				
С	(When a CF card is not used)		50 or more	(20 or more)		50 or more (20 or more)*4			r more (20 or n	nore)	
0	(When a CF card is used)		50 or more	(20 or more)		100 or more		50 or more	(20 or more)		100 or more
D						50 or more	(20 or more)				

100 or more (20 or more)

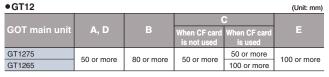
50 or more

E

*1: The distance varies depending on the cable to be used. For details, consult your local sales office. The values in the table are given for your reference only and may not reflect actual conditions.
 *2: The distances required when the coaxial cable 3C-2V (JIS C 3501) is used.
 *3: The distance varies depending on the cable used. When the bending radius of the cable is larger than the indicated value, leave enough space appropriate for the bending radius.
 *4: When using a battery, the required dimension is greater than when using a CF card.

•GT14				(Unit: mm)
GOT main unit	A, D	В	С	E
GT1455	50 or more ^{*3}	80 or more*1	50 or more ^{*2}	100 or more*4
GT1450	(20 or more)	(20 or more)	(20 or more)	(20 or more)
1 . 50 or more (20 o	r more) in the seco	- 4		

*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
*3: The distance varies depending on the Ethernet cable used. When the bending radius of the Ethernet cable is larger than the indicated value, leave enough space appropriate for the bending radius.
*4: When using a USB memory or SD card, allow space for removal and mounting when installing.



GT11				•	(Unit: mm
GOT main unit	A, D		When CF card is not used	When CF card is used	
GT1155 GT1150	50 or more (20 or more)	80 or more ^{*1} (20 or more)	50 or more ^{*2} (20 or more)	100 or more	100 or more (20 or more)

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

Thickness: 2 to 4mm 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

•GT10

GT105 GT104

GT1030

GT1020

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.

Bus c	connection cables	
Cable model name	Cable length (L)	External dimensions
GT15-QC_B	0.6, 1.2, 3, 5, 10m	Fig. 1
GT15-QCBS	15, 20, 25, 30, 35m	Fig. 1
GT15-CONB	1.2, 3, 5m	Fig. 2
GT15-ACB	0.6, 1.2, 3, 5m	Fig. 3
GT15-A370C_B-S1	1.2, 2.5m	Fig. 4
GT15-A370C_B	1.2, 2.5m	Fig. 5
GT15-A1SC B	0.7, 1.2, 3, 5m	Fig. 6
GT15-A1SC NB	0.45, 0.7, 3, 5m	Fig. 7
GT15-C EXSS-1*1	10.6, 20.6, 30.6m	Figs. 8 & 9
GT15-EXCNB	0.5m	Fig. 8
GT15-CBS	0.7, 1.2, 3, 5, 10, 20, 30m	Fig. 9
GT15-J2C10B	1m	Fig. 10
1 : GT15-C EXSS-1 is a set (See Fig. A.)	t consisting of GT15-EXCNB and (GT15-CBS.
ig. A]		

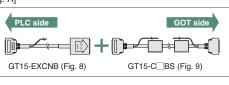


Fig.5

(

*1 ſF

Cable I GT16-C GT01-C

GT01-C

GT01-C

GT10-0

GT10-0

GT10-C

GT10-C

Cable GT01-0 GT01-C

GT01-0

GT10-C

(Unit: mm)

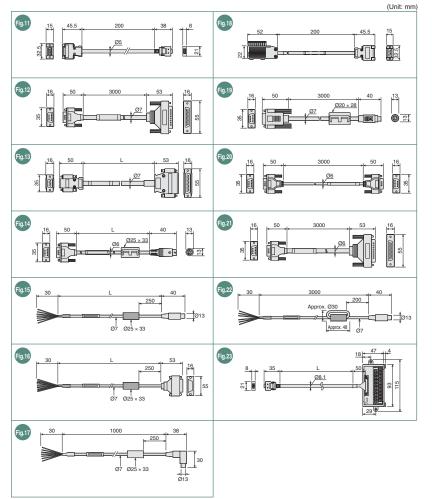
100 or more

50 or more

50 or more 80 or more (20 or more*2)

F	RS-422 cables	
nodel name	Cable length (L)	External dimensions
2R4-9S	0.2m	Fig. 11
30R4-25P	3m	Fig. 12
R4-25P	10, 20, 30m	Fig. 13
R4-8P	1, 3, 10, 20, 30m	Fig. 14
R4-8P	1, 3, 10, 20, 30m	Fig. 15
R4-25P	3, 10, 20, 30m	Fig. 16
0R4-8PL	1m	Fig. 17
2H-9SC	0.2m	Fig. 18
F	S-232 cables	
nodel name	Cable length (L)	External dimensions
30R2-6P	3m	Fig. 19
0R2-9S	3m	Fig. 20
0R2-25P	3m	Fig. 21
JRZ-25P		

RS-485 termi	nal block convers	ion unit
Model name	Cable length (L)	External dimensions
FA-LTBGTR4CBL	0.5, 1, 2m	Fig. 23



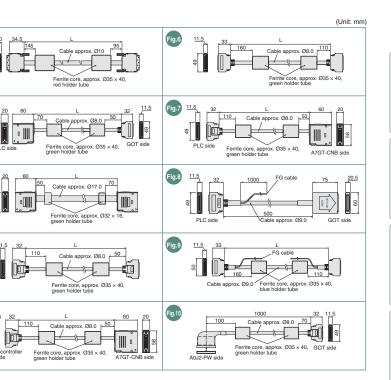
\$1:50 or more when a RS-232/USB conversion adapter is used. \$2:80 or more when a personal computer connection cable is used or when a personal computer RS-232 interface is used for connecting multiple GOTs. 50 or more when a RS-232 interface is used for using an RS-232/USB conversion adapter. \$43:80 or more when a RS-232 interface is used for using an RS-232/USB conversion adapter. [Fig. A] Other device or control pane

80 or more 50 or more

 50 or more (20 or more*1)
 50 or more (20 or more)
 50 or more (20 or more)

(20 or more) (20 or more) (20 or more) (20 or more) (20 or more*3)

62





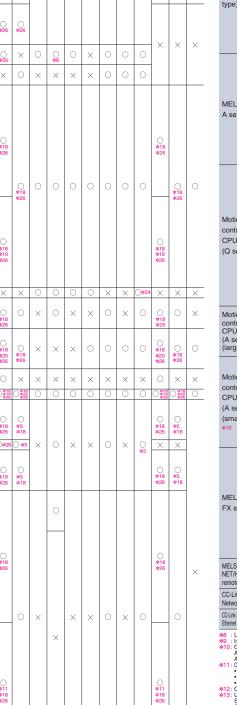
Ъ

GT10

õ

External dimensions

EXt	ernal dimensior					() (= it) -
	Communication units/o	ntional unite		63 3 GOT main unit	GOT main unit	(Unit: r
				Fig.1	Fig.2 133 GOI main unit	Fig.3 137 GOT main unit
Comm	nunication units/bus extension co	nnector boxes				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Product name	Model name	External dimensions			
		GT15-QBUS	Fig. 1			, » ° = ,
	QCPU (Q mode)/motion controller CPU (Q Series) 2ch		Fig. 2			
Bus	Standard model of bus connection unit for QnA/ACPU/motion controller CPU (A Series)	GT15-ABUS GT15-ABUS2	Fig. 1 Fig. 2			
connection unit	Thin model of bus connection unit for 1ch	GT15-75QBUSL	Fig. 3			
unit	QCPU (Q mode)/motion controller CPU (Q Series) 2ch		Fig. 3	Fig.4 63 3 GOT main unit	Fig.5 63 3 GOT main unit	Fig.6
	Thin model of bus connection unit for 1ch QnA/ACPU/motion controller CPU (A Series) 2ch		Fig. 3 Fig. 3			
	RS-232 serial communication unit	GT15-RS2-9P			₩	
Serial	(D-sub 9-pin (male))	GT15-R52-9P	Fig. 4			
communication	RS-422/485 serial communication unit (D-sub 9-pin (female))	GT15-RS4-9S	Fig. 4			
unit	RS-422/485 serial communication unit	GT15-RS4-TE			8 5	
	(terminal block)		Fig. 5	*3	*3	
RS-422 conversion unit	RS-232→RS-422 conversion unit (9-pin) RS-232→RS-422 conversion unit (25-pin)	GT15-RS2T4-9P GT15-RS2T4-25P	Fig. 6 Fig. 6	Fig.7 20 89.7	Fig.8 Mounting hole	Fig.9
	Ision connector box	A9GT-QCNB	Fig. 7			
	ector conversion box	A7GT-CNB	Fig. 8	64 64		
MELSECN		GT15-J71LP23-25 GT15-J71BR13	Fig. 9 Fig. 10			
	E Controller Network communication unit	GT15-J71GP23-SX	Fig. 11		From base unit	
	E Field Network communication unit	GT15-J71GF13-T2	Fig. 12		39.5 4.25 To bus	When connector
	ommunication unit Intelligent device station unit	GT15-J61BT13 GT15-J71E71-100	Fig. 13 Fig. 14		connection unit	is fitted / 49.5 40.5
Serial mult	Iti-drop connection unit	GT01-RS4-M	Fig. 14	Fig.10	Fig.11 133 GOT main unit	Fig.12
	r conversion adapter	GT10-9PT5S	Fig. 16			
	85 signal conversion adapter nterface unit	GT14-RS2T4-9P GT11H(S)-CCL	Fig. 17 Fig. 18			
		31111(0)-00L	i ig. 10			
option	nal units		External	2.5 / LG X	12.5 X	
	Product name	Model name	dimensions			
Printer uni		GT15-PRN	Fig. 19	When F type connector is fitted	<u>15.5</u> <u>11.5</u> *3	24 21
Multimedia	a unit	GT16M-MMR	Fig. 20	Fig.13 GOT main unit	Fig.14 63 GOT main unit	Fig.15
Video inpu	ut unit	GT16M-V4 GT15V-75V4	Fig. 21 Fig. 22			8 12 E
RGB input	t unit	GT16M-R2	Fig. 21			
		GT15V-75R1 GT16M-V4R1	Fig. 22			57 65
Video/RGI	B input unit	GT15V-75V4R1	Fig. 21 Fig. 22			
RGB outpu	ut unit	GT16M-ROUT	Fig. 23			
CF card u		GT15V-75ROUT GT15-CFCD	Fig. 23	31.5 =	*3	
	xtension unit	GT15-CFEX-C08SET	Fig. 24 Fig. 25			
Audio outp		GT15-SOUT	Fig. 26			Fig.18 5 92 (Mounting P nitch) 17 39
External in	nput/output unit	GT15-DIOR GT15-DIO	Fig. 27 Fig. 27	* oEo	8 O O	
		GT113-DIO GT11H-CNB-37S	Fig. 27			
,	OT connector conversion box	GT16H-CNB-42S	Fig. 29	36 22		
1 : The cor 2 : Dimens	nnector shape varies depending on the model. sions A to D for each communication unit					s Ti 🖵 🐌
Model r	name A B C D			<u>h-faceac</u> f-A		w to
GT15-QB				62 3 GOT main unit	GOT main unit	133 GOT main u
GT15-QBL GT15-ABL				Fig.19		
GT15-ABL						
3 : Dimens	sion X when GOT is installed					
100 or	Dimension	T Y (main ı	unit factor)	2.4		
	GT1695		-2			
	GT1595		0.5	응 <u> </u>		18 18 34 26 19 GT16M-V4R1 shown.
	GT1685, GT1585 GT167_, GT157_		3.5 0.5	GOT main unit		GI16M-V4R1 snown.
	GT166, GT1655, GT15		1.5		Fig.23 133 GOT main unit	
Other device	GOT main unit		(Unit: mm)			. 93 .
Option fa	ector for communication units / option units					
	Model name	Z (optic	n factor)			
	CD, GT15-CFEX-C08SET	2	0.5			114.5
	4, GT16M-R2, GT16M-V4R1, GT16M-ROUT, 5V4, GT15V-75R1, GT15V-75V4R1, GT15V-7	5BOUT		GT15V-75V4R1 shown. *3		
	US, GT15-QBUS2, GT15-ABUS, GT15-ABUS	2		GT15V-75V4R1 shown. *3	*3	89
GT15-RS2	2-9P, GT15-RS4-9S, GT15-RS4-TE, GT15-J7	1LP23-25, 2	1.5		Fig.25 63	9,62.5
	E71-100, GT15-J71BR13, GT15-J61BT13, G), GT15-DIOR, GT15-SOUT	115-PRN,				
	IMR, GT15-J71GP23-SX, GT15-J71GF13-T2	3	5.5		8	
Calculatio	on of dimension X		(Unit: mm)		1.8 2	
	er configuration: Y (main unit factor) + Z (option		A			<u>⊧</u>
	er configuration: Y (main unit factor) + Z (optior er configuration: Y (main unit factor) + Z (option fa			81	59.5	
	on A for each communication unit \bigcirc			*3	GOT side	Control panel side
	el name A	Fig.27	<u>+1 -3</u>	Fig.28	Fig.29	
GT15-750	QBUSL 2.5			4 drilled holes Ø3.5	4 drilled holes Ø5±0.5	. 56 , 55 , 110 ,
GT15-750 GT15-754			12 12 88			
GT15-75/	-18 8					
	ion X when GOT is installed					
For GT16		30.5		Panel cut	4-R3 or less 61+1.0 (opening)	
	6.5 15", 10.4" 8	*3	29 0 *3	Unit: mm	panel cut	
	8 8.4", 5.7" 10					
8.4", 5.7"	10					



List of connectable models

Mitsubishi PLCs/Motion controllers/Safety controllers

Mode

Q00JCPU Q00CPU Q01CPU Q02CPU Q02HCPU *

Q06HCPU

Q12HCPU

Q25HCPU Q02PHCPU

Q06PHCPU Q12PHCPU Q25PHCPU Redundant system Q12PRHCPU

Q00UJCPU

Q00UCPU Q01UCPU Q02UCPU Q03UDCPU Q04UDHCPU Q06UDHCPU

Q10UDHCPU Q13UDHCPU

Q20UDHCPU

Q26UDHCPU Q03UDECPU Q04UDEHCPI Q06UDEHCPU Q10UDEHCPU Q13UDEHCPL Q20UDEHCPL Q26UDEHCPU Q50UDEHCPL

Q100UDEHCPL

Q02CPU-A

Q02HCPU-A Q06HCPU-A 02CPU

L26CPU-BT

L02CPU-P L26CPU-PBT

WS0-CPU0

WS0-CPU1

Q12DCCPU-V * Q2ACPU

Q2ACPU-S1

Q3ACPU

Q4ARCPU

Q2ASCPU

A3UCPU A4UCPU A2ACPU A2ACPUP21 A2ACPUR21 A2ACPU-S1 A2ACPUP21-S1 A2ACPUR21-S1

A3ACPU

A3ACPUP21

A3ACPUR21

A1NCPUP21 A1NCPUR21 A2NCPU A2NCPUP21 A2NCPUR21 A2NCPU-S1 A2NCPUP21-S A2NCPUR21-S1 A3NCPU A3NCPUP21 A3NCPUR21

Q2ASCPU-S1

MELSEC-QS series QS001CPU

MELSEC-

Q series (A mode)

MELSEC-L series

MELSEC-WS series

C controller

MELSEC-

QnA series

MELSEC-

QnA series

MELSEC-

A series

(AnCPU type) A1NCPU

(QnACPU type) Q4ACPU

(QnASCPU type) Q2ASHCPU-S1 Q2ASHCPU A2UCPU A2UCPU-S1

(main base) Q25PRHCPU Redundant system (extension base) Q12PRHCPU

MELSEC-

(Q mode)

Q series

GT16/GT15/GT14/GT12/GT11

XC

GT10

	trollers		nneo	Jub											
			GT1	6/G				confi 12/G	_	ation			GT1	0	
Series	Model name	Bus connection	CPU direct connection	Computer link	AELSECNET/H	MELSECNET/10	CC-Link IE Controller Network *1	CC-Link IE Field Network *1	CC-Link (ID) \$1 \$4	CC-Link (via G4) *4	Ethernet *25	CPU direct connection	Computer link	cc-Link (via G4) *4	
//ELSEC-	A2USCPU A2USCPU-S1 A2USHCPU-S1 A1SCPU A1SCPUC24-R2	0	0 8 *18 *26		*	0	00	OL	*	0*	*	0 8 *18 *26	0		
AnSCPU (pe) ^{*10}	A1SHCPU A2SCPU A2SCPU-S1 A2SHCPU A2SHCPU-S1		*11 *18 *26	0	×	×	×	×	0	×	0	○ *11 *18 *26	0		
	A1SJCPU A1SJCPU-S3 A1SJHCPU A0J2HCPU) *12	*18 *26) *18 *26		×	
	A0J2HCPUP21 A0J2HCPUR21 A0J2HCPU-DC24 A2CCPU	0) *11 *18 *26	0		×			0	×	0) *11 *18 *26	0		
NELSEC- a series ^{*10}	A2CCPUP21 A2CCPUR21 A2CCPUC24 A2CCPUC24-PRF	×) *18 *26	×	×	×	×	×	×	×	×) *18 *26	×		Operations
	A2CJCPU-S3 A1FXCPU	×		××		××			××	××	××		××		
	Q172CPU *13 Q173CPU *13) *15) *15 *26) *16 *18 *26	⊖ * 16) *16) *16) *16) *16) *16 *188 *26) *16 *18 *26	⊖ ≭16	Pe
lotion	Q172CPUN *13 Q173CPUN *13 Q172HCPU Q173HCPU Q172DCPU	0	>*18 *26 *14 *18 *26) *18 *26	0	0	×	×	0	0	0	() *18 *26 *14 *18 *26) *18 *26	0	Personnel
CPU Q series)	Q172DCPU Q173DCPU Q172DCPU-S1 Q173DCPU-S1 Q172DSCPU Q173DSCPU Q170MCPU	0) *14 *18 *26 (*18 *26) *18 *26	0	0	0	×	0	0	0) *14 *18 *26)*18 *26) *18 *26	0	
	MR-MQ100 A273UCPU	Х	○ #18 ○ #26	×	×	X	×	X	Х	×		X	×	×	
otion ontroller PU A series) arge type)	A273UHCPU A273UHCPU-S3 A373UCPU A373UCPU-S3	0	 ≭26	0	×	0	×	×	0	×	0	×	×		
lotion ontroller PU A series)	A171SCPU A171SCPU-S3 A171SCPU-S3 A171SCPU-S3N A171SHCPU A171SHCPUN A172SHCPU	○ *17	 ≭26	0	×	×	×	×	0	×	0	×	×		
small type) 10	A172SHCPUN A173UHCPU A173UHCPU-S1 FX0S					0								×	Proces
IELSEC- X series	FX0S FX0N FX1S FX1N FX1NC FX2N FX2NC FX3G FX3U FX3U FX3UC	×) *18 *26	×	×	×	×	×	×	×	×) *18 *26	×		Process Control External Dimensions
IELSEC ET/H	QJ72LP25-25 QJ72LP25G	×	0 *26	0 *26	×	×	×	×	×	×	0	×	×	×	nsion
mote I/O station C-Link IE Field etwork head unit	QJ72BR15 LJ72GF15-T2	×	*26	*26	×	×	×	0	×	×	×	×	0	×	
Link IE Field Network	NZ2GF-ET8	×	×	×	×	×	×	0	×	×	0	×	×	×	Models, etc.

 Internet adaptor unit
 Internet of the CPU and MELSECNET/H network unit.

 #8
 Is duARCPU redunder system. The COT must be connected to the isst stages redunders system retension base ABRB version B or later.

 #10
 and AMRCPU redunder system. The COT must be connected to the isst stages redunders system retension base ABRB version B or later.

 #11
 Cut ATT1SHCPU and ATT2SHCPU computer link connections.
 AQU2+CPU, ATT1SHCPU and ATT2SHCPU computer link connections.

 AQU2+CPUS1
 Version L or later or CPUs with link, and or version H or later for CPUs with link.
 AUXEXCPU and AZC2PU. Earler versions cannot be used.

 **11: Only the following software version roll later are bused to with link, and version H or later for CPUs with link.
 Yestion L or later

 *AQZECPUSCH
 Version L or later for CPUs with link.
 Yestion L or later

 *AQZECPUSCH
 Version L or later for CPUs with link.
 Yestion L or later

 *AQZECPUSCH
 Version L or later for CPU with link.
 Yestion L or later

 *AQZECPUSCH
 Version L or later for CPU with link.
 Yestion L or later

 *AQZECPUSCH
 Version L or later for CPU with link.
 Yestion L or later

 *AQZECPUSCH
 Version L or later for CPU with link.
 Yestion L or later

 *AQZECPUSCH
 Version L or later for CPU with link.
 Yestion L or later

 *AQZECPUSCH<

List of connectable models

Modules usable when connected with Mitsubishi PLCs

For computer link connection

•For Ethernet connection

CPU series	Serial communi	ication	module/compute	odule/computer link module*1						
CPU series	Model nam	ie	CH1	CH2						
	QJ71C24	*2	RS-232	RS-422/485						
MELSEC-Q series (Q mode)	QJ71C24-R2	*2	RS-232	RS-232						
· /	QJ71C24N		RS-232	RS-422/485						
Motion controller CPU (Q series)	QJ71C24N-R2		RS-232	RS-232						
· /	QJ71C24N-R4		RS-422/485	RS-422/485						
MELSECNET/H remote I/O	QJ71CMO	*3	Modular connector	RS-232						
Station	QJ71CMON	*3	Modular connector	RS-232						
MELSEC-L Series	LJ71C24		RS-232	RS-422/485						
CC-Link IE Field Network head unit	LJ71C24-R2		RS-232	RS-232						
	A1SJ71UC24-R2		RS-232	-						
MELSEC-Q series (A mode)	A1SJ71UC24-R4		RS-422/485	-						
	AJ71QC24	*4	RS-232	RS-422/485						
	AJ71QC24-R2	*4	RS-232	RS-232						
	AJ71QC24-R4	*4	RS-422	RS-422/485						
	AJ71QC24N	*4	RS-232	RS-422/485						
	AJ71QC24N-R2	*4	RS-232	RS-232						
	AJ71QC24N-R4	*4	RS-422	RS-422/485						
	A1SJ71QC24	*4	RS-232	RS-422/485						
MELSEC-QnA series	A1SJ71QC24-R2	*4	RS-232	RS-232						
	A1SJ71QC24N	*4	RS-232	RS-422/485						
	A1SJ71QC24N-R2	*4	RS-232	RS-232						
	A1SJ71QC24N1	*4 *6	RS-232	RS-422/485						
	A1SJ71QC24N1-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						
 RS-485 communication is not pos A0J2-C214-S1 is unusable. When using A series computer lin only the device ranges within AnA are supported. The following devices cannot be • Devices that have been newly ad • Latch relays (L) and step relays 	k with QnACPU, CPU specifications monitored: Ided to the QnACPU	conn CH1 *3 : Only *4 : Eithe *5 : When A2SF	function version A, eith lected. With function ve and CH2 can be conne CH2 can be connected or CH1 or CH2 can be c n connecting to A1SHCP HCPU(S1), A1SJHCPU, / SHCPU(N) or A172SHC	rsion B or later, both cted. onnected. U, A2SCPU(S1), A0J2HCPU,						

Latch relays (L) and step relays (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 a latch relay or step relay is specified.) File register (R)

A1715HCPU(N) or A1725HCPU(N), use compute module software version U or later.
 *6: Computer link module/serial communication module operate within the range of devices available on AnACPU. (R devices cannot be used.)

For MELSE	CNET/H connec	ction			
CDI	Iseries	N	IELSECNE	T/H m	nodule
UPL	series	Optic	al loop		Coaxial bus
MELSEC-Q seri		QJ71LP21	QJ71LP21	S-25	QJ71BR11
MELSEC-QS se	ries	QJ71LP21-25			
C controller		QJ71LP21-25	QJ71LP21	S-25	
	SECNET/H network unit fur		ter.		
For MELSE	CNET/10 conne	ction			
CPL	Iseries			de), ME	ELSECNET/10 module
			al loop		Coaxial bus
MELSEC-Q seri		QJ71LP21	QJ71LP21	S-25	QJ71BR11
MELSEC-QS se C controller	ries	QJ71LP21-25 QJ71LP21-25	QJ71LP21	S-25	
		AJ71QLP21	A1SJ71QL		AJ710BB11
MELSEC-QnA s	eries	AJ71QLP21S	A1SJ71QL		A1SJ71QBR11
MELSEC-Q seri	es (A mode)	AJ71LP21		-	AJ71BR11
MELSEC-Q serie MELSEC-A serie Motion controller	CPIL(A series)	A1SJ71LP21			A1SJ71BR11
	SECNET/H network unit fur	ction version B or la	tor		
	k IE Controller I				
	series			work o	communication unit
MELSEC-Q seri MELSEC-QS se	es (Q mode)	QJ71GP21-SX QJ71GP21S-S			
C controller	nes	QJ/1GP215-5	X		
	de, use a CPU with the firs	t 5 digits of the serial	No. are 12052	or high	er
	k IE Field Netwo	•		or nigh	
	series		ield Netwo	rk co	mmunication unit
MELSEC-Q seri C controller	es (Q-mode)	QJ71GF11-T2			
MELSEC-QS se	ries	QS0J71GF11-	T2		
MELSEC-L serie	S	LJ71GF11-T2	-		
For CC-Lin	k (ID) connectio	n			
	series		CC-Lir	nk uni	it
MELSEC-Q seri		QJ61BT11			
C controller	(a modo)	QJ61BT11N			
MELSEC-L serie		LJ61BT11			
MELSEC-QnA s		AJ61QBT11*1	A1SJ61Q	BT11*	1
MELSEC-Q serie MELSEC-A serie		AJ61BT11*1 A1SJ61BT11*1			
	CPU (A series)				
	cate only with CC-Link units	function version B o	or later and soft	ware ve	rsion J or later.
	k (via G4) conne				
CPL	series	CC-Link	unit	Peri	pheral device unit
MELSEC-Q seri	es (Q mode)	QJ61BT11		AJ65	BT-G4-S3
C controller	. ,	QJ61BT11N		AJ65	BT-R2N
MELSEC-L serie		LJ61BT11			
1: GT11 and GT10 ca	in monitor only the master s				
					are supported except for
1E71		the following de	evices.		
J71QE71N-B2	A1SJ71QE71-B5	Devices that	have been new (L) and step rela	ly adde	d to the QnACPU
J71QE71N-T	A1SJ71QE71-B2	(In the QnAC	PU, the latch re	elay (L)	and step relay (S) are
J71QE71N-B5T		separate dev	ices from the in	nternal r	elay (M), but the internal
J71E71N-T	A1SJ71E71-B5-S3	step relay is :	specified.)	eu wrief	n either a latch relay or
GJ71E71N-B5T	A1SJ71E71-B2-S3	 File register (

 CPU series
 Elternet module

 MELSEC-Q series (Q mode)/MELSEC-QS series
 QJ71E71-100
 QJ71E71-185
 QJ71E71-185
 QJ71E71-185
 QJ71

 MELSEC-Q series (Q mode)/MELSEC-QS series
 AJ71QE71N3-T
 AJ71QE71N-T
 AJ71QE71-185
 AJ71QE71N-T
 AJ71QE71N-T
 AJ71QE71N-T
 AJ71QE71N-T
 AJ71QE71N-T
 AJ71QE71N-T
 AJ71QE71N-T
 AIS

 MELSEC-Q series (A mode)
 AJ71C171N-T
 AJ71C171N-T
 AISJ71QE71N-T
 MELSEC-Q series (A mode) MELSEC-A series Motion controller CPU (A series) MELSEC-FX series FX3U-ENET (-L) A1SJ71E71N-T A1SJ71E71-B5-S3 A1SJ71E71N-B5T A1SJ71E71-B2-S3 FX3U-ENET (-L)

Inverters The GOT can be connected parameters and display ala		s to set their
Madal mana	GT16/GT15/GT14	/GT12/GT11/GT10
Model name	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	×
FREQROL-V500/V500L	0	×
FREQROL-E700	0	X
FREQROL-F700	0	X
FREQROL-A700	0	X
FREQROL-D700	0	×
FREQROL-F700P/F700PJ		×

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

Series	Model name	GT16/GT15/GT14	/GT12/GT11/GT10
Series	Model name	RS-422	RS-232
MELSERVO-J4 series	MR-J4-A	0	0
MELSERVO-J3 series	MR-J3-	0	0
WELSERVO-55 selles	MR-J3-	0	0
MELSERVO-J2-Super	MR-J2S-	0	0
series	MR-J2S-CP	0	0
series	MR-J2S-CL	0	0
MELSERVO-J2M series	MR-J2M-P8A	0	0
WELSERVO-J2W Selles	MB-J2M DU	0	0

Robot con	troll	ers		OT car ollers ar					shi robo	ot	
	GT16/GT15/GT14/GT12/GT11 Connection configuration										
Controller name	Bus connection *6	CPU direct connection	Computer	MELCEC.		CC-Link IE		CC-Link (ID) *1 *3	CC-Link (via G4)	Etherne *7	
CRnQ-700	0	0 *4	0	0	0	0	0	0	0) *5	
CRnD-700	×	×	X	×	X	X	×	X	Х	0	

 *1: Supported by the GT16 and GT15 only. (Excluding the GT16 Handy)

 *2: Supported only when MELECRET/H is used in NET/H0 mode. The GOT terminal cannot be connected to a remote I/O net.

 *3: Co-Link (ID): Connected as CC-Link (intelligent device station).

 *4: The CRhO-700 can be accessed via R5-220 of the OCPU of a multi-CPU system.

 *6: Supported by the GT16, and GT15 only.

 *6: Supported by the GT16, GT15, and GT11 only.

 *7: Supported by the GT16, GT15, GT14, and GT12 only. (The GT14 supports connection to CRnO-700 only.)

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

		G116/G115/G114/G112/G111											
	Model		Connection configuration										
Series	name	Bus connection *6	CPU direct connection	Computer link	MELSEC NET/H *1	MELSEC NET/10 *1 *2		CC-Link IE Field Network *1	CC-Link (ID) *1 *3	CC-Link (via G4)	Ethernet *7		
CNC C70	Q173NCCPU	0	⊖ * 5	0	0	0	0	0	0	0	0		
MELDAS C6/C64	FCA C6 FCA C64	×	⊖ ∗ 4	×	×	⊖ ∗ 4	×	×	⊖ ≭4	×	⊖ ≉4		
1 · Suppo	vited by the GT1	6 and GT	15 only (E	veludina t	he GT16 H	(wheel-							

 *1 : Supported by the GT16 and GT15 only. (Excluding the GT16 Handy)

 *2 : When MELSECNET7H is used in NET7/0 mode, the GOT terminal cannot be connected directly to a remote I/O station.

 *3 : CC-Link (DID): Connected as CC-Link (ineligent device station).

 *4 : Use NC system software version D0 or later.

 *5 : COhy a US lineface is available on the Q173NCCPU.

 The Q173NCCPU can be accessed via RS-232 of the QCPU of a multi-CPU system.

 *6 : Supported by the GT16, GT15, and GT11 only.

 *7 : Supported by the GT16, GT15, GT14, and GT12 only.

Units usable when connected with MELDAS C6/C64 ●For MELSECNET/10 connection

FOI WELSECINE 1/10 COITINE	CHOIT	
Series	MELSECNET/H (NET/10 mod	de), MELSECNET/10 module
Series	Optical loop	Coaxial bus
MELDAS C6/C64	FCU6-EX879	FCU6-EX878
For CC-Link (ID) connectio	'n	
Series	CC-Lir	nk unit
MELDAS C6/C64	FCU6-HR865	
For Ethernet connection		
Series	Etherne	t module
MELDAS C6/C64	FCU6-EX875	
*: Applicable GOT varies depending on the connet G116: "When connected via S22, S4-22486 or Eher When connected via PS-22, S4-22486 or Eher When ther than RS-232 G114 When connected via RS-232, RS-422485 or Eher G112: "When connected via RS-232, RS-422485 or Eher G112: "When connected via RS-232, RS-422485 or Eher G112: "When connected via RS-232, rS-422485 or Eher G111: "When connected via RS-232, rS-422485 or Eher G110: "When connected via RS-232, rS-422485 or Eher G110: "When connected via RS-232, or RS-42 G110: "When connected via RS-232, or RS-42 G110: "When connected via RS-232, rS-422485	et: All models (Use the built-in interl ~ All models (Us	network connection are enabled it on the GOT main unit.) ace of the GOT main unit.) network connection are enabled hit on the GOT main unit.) ace of the GOT main unit.) BDA BD, GT1030-H_D2/H_DW2,

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.

				OTICI	OT I FIC	TAUCT	40/CT1:	-(OT10				OTIC	0745/0	TANCT	40/CT11	VOT10
Manı	ufacturer	Model	l name	Computer lin	GT15/GT	CPU direct	t connection	1/GT10 Ethernet connection	Ma	anufacturer	Model name	GT16/ Computer lir RS-422	nk connection	CPU direct	12/GT11	I/GT10 Ethernet connection
		CPM1	CPM1A	RS-422	RS-232	RS-422	×	*9			SLC500-20	RS-422	RS-232	RS-422	RS-232	*9
	SYSMAC CPM	CPM2A CPM2C		×	0			×			SLC500-30 SLC500-40				⊜*1	
	SYSMAC CQM1 SYSMAC CPQ1H	CQM1 CQM1H		1	×		0*2	1		SLC500 series	SLC5/01 SLC5/02	×	×	×		×
	SYSMAC CPQ1H	CJ1H	CJ1M			1	\vdash			*5	SLC5/03				\vdash	I
		CJ1G CJ2H		- (⊜*3		0	⊜*12			SLC5/04 SLC5/05				0	ı _
	SYSMAC CJ2	CJ2M	0011	1	!		*14	Ļ			1761-L10BWA					
OMRON	SYSMAC CP1	CP1H CP1E (N type)	CP1L) *13	-		×	 ≈13	ł			1761-L10BWB 1761-L16AWA	1				I
Olvin ISI.	SYSMAC C200HS	C200HS	- #10	1			X	×			1761-L16BWA					I
	SYSMAC C200H	C200HX	C200HE	0	0			ł		MicroLogix 1000 series	1761-L16BWB 1761-L16BBB					I
	SYSMAC α	C200HG					0			(digital CPU) *5*6*7	1761-L32AWA					I
	SYSMAC CS1	CS1H CS1G	CS1D		!		0	⊜*12			1761-L32BWA 1761-L32BWB	×	×	×	0	×
	SYSYMAC C1000H	C1000H)*3		×				1761-L32BBB					I
	SYSYMAC C2000H SYSMAC CVM1/CV	CV500	CV2000		~		 ⊃ * 3	×		11 set seiv 1000 series	1761-L32AAA 1761-L20AWA-5A	ł				I
	SYSMAC OVINITOV	CV1000	CVM1	×	×	<u> </u>		L	Allen-Bradley	MicroLogix 1000 series (analog CPU) *5	1761-L20BWA-5A	1		1	l j	I
KEYENCE		KV-700 KV-1000	KV-3000	0	0	×	0	×	(Rockwell Automation,	MicroLogix 1200 series *5	1761-L20BWB-5A 1762-L24BWA	1				I
	LUCOTAC SU	KV-5000	KV-5500 SU-5M				X		Automation, Inc)	MicroLogix 1500 series *5	5 1764-LSP	ļ	ļ			I
	KOSTAC SU series	SU-5E SU-6B	SU-5M SU-6M	0	0	0	0	×	,		1756-L 1756-L1M1					I
	PZ series	PZ3		×	X	- Ş	0	×			1756-L1M2				l j	I
	DirectLOGIC 205 series	D2-240 D2-250-1	D2-260	0	0		0	×			1756-L1M3 1756-L61					I
коуо	Directl OGIC	D0-05AA	D0-05DD	<u> </u>	ı — ا		Ι <u></u>				1756-L62				l j	I
ELECTRONICS	S DirectLOGIC 05 series	D0-05AD D0-05AR	D0-05DD-D D0-05DR	0	0	×	0	×		ControlLogix series	1756-L63 1756-L55M12	×	×	×	⊜*1	○ *8
INDUSTRIES *1		D0-05DA	D0-05DR-D		\vdash		\square	I			1756-L55M13					I
		D0-06DD1 D0-06DD2	D0-06AA D0-06DD1-D								1756-L55M14 1756-L55M16					I
	DirectLOGIC 06 series	D0-06DR	D0-06DD2-D	0	0	0	0	×			1756-L55M22					I
		D0-06DA D0-06AR	D0-06DR-D								1756-L55M23 1756-L55M24		<u> </u>			I
		JW-21CU	JW-50CUH	0	×	×	×				1769-L31		<u> </u>			X 0 *8
Sharp Manufad	acturing	JW-31CUH JW-22CU	JW-70CUH					1 🗸		CompactLogix series	1769-L32E 1769-L32C	×	×	×	()*1	×
Systems	lotaning	JW-32CUH	JW-100CUH	0	×	0)*3	×		Comparie o	1769-L35E			``	~	○ *8
*1		JW-33CUH Z-512J	JW-100CU	×	×	<u> </u>)*3	ł _			1769-L35CR 1794-L33	H	<u> </u>	-	~*1	×
	1	PC3JG-P-CPU	PC3JG-CPU	Ô	0*4	X	0*4			FlexLogix series	1794-L34	×	×	×	○*1	×
	TOYOPUC	PC3J-CPU PC2JC-CPU	PC3JL-CPU PC2J16PR-CPU		*4	0	*4 *4	1			IC693CPU311 IC693CPU313	ĺ.	1	×	×	-
JTEKT *1	series	PC2J16P-CPL	U	0	* 4	×	0*4	×			IC693CPU323]				1
		PC2J-CPU PC2JS-CPU	PC2JR-CPU				×			Series 90-30	IC693CPU350 IC693CPU360		0			×
	PROSEC	T2 (PU224)				Lo_	X	—		Selles to co	IC693CPU363		<u> </u>	0	×	
	T series	T2E T3	T2N T3H	×	×)*3 X	4			IC693CPU366 IC693CPU367					I
TOSHIBA		model 3000 (S	S3)					×			IC693CPU374	l				I
*1	PROSEC V series	model 2000 (S	S2)	×	×	0	×				IC697CPU731					ī
	V series	model 2000 (S model 2000 (S	2T)			~					IC697CPX772 IC697CPX782					I
	Unified controller nv series	PU811		×	X	×	×	0			IC697CPX928					I
TOSHIBA	TCmini series	TC3-01 TC3-02	TC6-00 TC8-00	×	×	×	0	×		Series 90-70	IC697CPX935 IC697CPU780	0	0	×	×	×
MACHINE	Robot controller	TS2000	TS2100	×	X	×	0	×		Selles 50 . 5	IC697CGR772					
	Large-sized H	H-302 H-702	H-4010 H-300	I ,	. !	[[_]	Ē.,			IC697CGR935 IC697CPU788				l j	I
	series	H-1002	H-700)*3	×	0	×			IC697CPU789				l j	I
		H-2002 H-200	H-2000 H-252B	-				 	GE Fanuc		IC697CPM790 IC200UAA003	0	\vdash_{\cap}	0	<u> </u>	— —
Hitachi	H-200 to 252 series	H-250	H-252C	×	×	×	0	×	Automation Corporation		IC200UAR014		<u> </u>		1	I
Industrial Equipment	Series	H-252 H-20DR	H-28DT					 	*1		IC200UDD104 IC200UDD112				l j	I
Systems	LL aprice	H-20DR H-28DR	H-40DT								IC200UDR001			×	l j	I
*1	H series		H-64DT	\times	×	×	0	×			IC200UDR002 IC200UDR003			.	1 1	I
	board type	H-40DR			1 1	1	' 1					1	1	·		1
		H-40DR H-64DR H-20DT	HL-40DR HL-64DR		۱						IC200UAL004	ţ				I
	board type	H-40DR H-64DR H-20DT EH-CPU104	HL-64DR EH-CPU308	×	×	\vdash					IC200UAL005					
		H-40DR H-64DR H-20DT EH-CPU104 EH-CPU208 EH-CPU516	HL-64DR	×	×	×	0	×		the Micro	IC200UAL005 IC200UAL006 IC200UAA007	×	×			
	board type	H-40DR H-64DR H-20DT EH-CPU104 EH-CPU208 EH-CPU516 LQP510	HL-64DR EH-CPU308 EH-CPU316	×	×	0	0 ×			VersaMax Micro	IC200UAL005 IC200UAL006 IC200UAA007 IC200UAR028	×	×		0	×
Hitachi	board type EH-150 series S10V	H-40DR H-64DR H-20DT EH-CPU104 EH-CPU208 EH-CPU516 LQP510 LQP520 LQP800	HL-64DR EH-CPU308 EH-CPU316 EH-CPU548 LQP011	0	0	 	×	×		VersaMax Micro	IC200UAL005 IC200UAL006 IC200UAA007 IC200UAR028 IC200UDD110 IC200UDD120	×	×		0	×
Hitachi *1	board type EH-150 series	H-40DR H-64DR H-20DT EH-CPU104 EH-CPU208 EH-CPU516 LQP510 LQP520 LQP800 LQP000	HL-64DR EH-CPU308 EH-CPU316 EH-CPU548			0		×		VersaMax Micro	IC200UAL005 IC200UAL006 IC200UAA007 IC200UAR028 IC200UDD110 IC200UDD120 IC200UDD120	×	×	0	0	×
Hitachi *1 Fuji Electric FA	EH-150 series S10V S10mini	H-40DR H-64DR H-20DT EH-CPU104 EH-CPU208 EH-CPU516 LQP510 LQP520 LQP800	HL-64DR EH-CPU308 EH-CPU316 EH-CPU548 LQP011	0	0	 	×	×		VersaMax Micro	IC200UAL005 IC200UAL006 IC200UAA007 IC200UAR028 IC200UDD110 IC200UDD120	×	×	0	0	×
*1 Fuji Electric FA Components	board type EH-150 series S10V S10mini	H-40DR H-64DR H-20DT EH-CPU104 EH-CPU208 EH-CPU516 LQP510 LQP520 LQP800 LQP000 LQP010 F55 F70	HL-64DR EH-CPU308 EH-CPU316 EH-CPU548 LQP011 LQP120	0	0	 	×	×		VersaMax Micro	IC200UAL005 IC200UAL006 IC200UAA007 IC200UAR028 IC200UD110 IC200UDD120 IC200UDD120 IC200UDR005 IC200UDR005 IC200UDR006 IC200UDR010	×	×	0	0	×
*1 Fuji Electric FA	EH-150 series S10V S10mini	H-40DR H-64DR H-20DT EH-CPU104 EH-CPU208 EH-CPU216 LOP510 LOP520 LOP500 LOP000 LOP000 F55 F70 F120S F70C16CT	HL-64DR EH-CPU308 EH-CPU316 EH-CPU548 LQP011 LQP120 F140S F15□S FP1-C24C	0	0	×	× × ×	×××××		VersaMax Micro	IC200UAL005 IC200UAA007 IC200UAA007 IC200UAR028 IC200UDD110 IC200UDD120 IC200UDD212 IC200UDR005 IC200UDR006 IC200UDR006 IC200UDR006 IC200UDD64			0	0	×
*1 Fuji Electric FA Components	EH-150 series S10V S10mini	H-40DR H-64DR H-20DT EH-CPU104 EH-CPU208 EH-CPU208 EH-CPU208 EH-CPU208 LQP800 LQP000 LQP000 LQP000 F55 F70 F120S F70-C16CT FP0-C32CT	HL-64DR EH-CPU308 EH-CPU316 EH-CPU548 UQP011 LQP120 F140S F15□S	0	0	×	×	×××××		VersaMax Micro	IC200UAL005 IC200UAA007 IC200UAA007 IC200UAR028 IC200UDD110 IC200UDD120 IC200UDD120 IC200UDR005 IC200UDR006 IC200UDR010 IC200UDD64 IC200UDD164 IC200UDD164	×	×	0	0	×
*1 Fuji Electric FA Components & Systems *1	EH-150 series EH-150 series S10V S10mini A MICREX-F	H-40DR H-64DR H-20DT H-2PU104 EH-CPU208 EH-CPU208 EH-CPU208 EH-CPU208 EH-CPU208 EH-CPU208 COP010 F50 F70 F120S F70 F120S FP0-C16CT FP0-C32CT FP0-R	HL-64DR EH-CPU308 EH-CPU316 EH-CPU548 LQP011 LQP120 F140S F15⊡S FP1-C24C FP1-C40C FP5	0	0 0 0 ×	× × ×	× × × ×	× × ×		K300S	IC200UAL005 IC200UAL006 IC200UA007 IC200UA007 IC200UDD110 IC200UDD120 IC200UDD120 IC200UDD1005 IC200UDR006 IC200UDR006 IC200UDD64 IC200UDD164 IC200UDR164 IC200UDR164 IC200UDR164 IC200UDR64 IC200UDR064			0		×
*1 Fuji Electric FA Components	EH-150 series EH-150 series S10V S10mini A MICREX-F	H-40DR H-64DR H-20DT EH-CPU104 EH-CPU208 EH-CPU208 EH-CPU510 LOP510 LOP520 LOP600 LOP000 LOP000 LOP000 LOP000 EF55 F70 F55 F70 F52 F70 F120S FP0-C16CT FP0R FP2 FP2 FP2SH	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU548 LQP011 LQP120 F140S F15⊡S FP1-C24C FP1-C40C FP5 FP10 (S)	0	0	× × ×	× × ×	×××××	LS Industrial	K300S K200S	IC200UAL005 IC200UAA007 IC200UAA007 IC200UAR028 IC200UDD110 IC200UDD120 IC200UDD212 IC200UDR005 IC200UDR006 IC200UDR010 IC200UDD064 IC200UDD164 IC200UDD164 IC200UDD164 IC200UDR64 K4P-155 K4P-07 S			0	×	×
*1 Fuji Electric FA Components & Systems *1	EH-150 series EH-150 series S10V S10mini A MICREX-F	H-40DR H-64DR H-64DR H-62DT EH-CPU104 EH-CPU208 EH-CPU208 EH-CPU516 LOP520 LOP500 LOP600 LOP010 F55 F70 F55 F70 F55 F70 F90-C16CT FP0R FP2 FP2SH FP3 FP3 FP-M (C20TC	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊡S F140S F15⊡S FP1-C24C FP1-C24C FP1-C24C FP5 FP10SH) FP-Σ	0 0 0 ×	0 0 ×	× × ×	× × × × × × × × × × × × × × × × × × ×	× × ×	LS Industrial Systems	K300S	IC200UAL005 IC200UAA007 IC200UAA007 IC200UDA007 IC200UDD120 IC200UDD120 IC200UDD05 IC200UDR005 IC200UDR006 IC200UDR010 IC200UDD164 IC200UDR164 IC200UD	0	0	-		
*1 Fuji Electric FA Components & Systems *1	EH-150 series EH-150 series S10V S10mini A MICREX-F	H-40DR H-64DR H-62DT EH-CPU104 EH-CPU104 EH-CPU516 LQP510 LQP500 LQP600 LQP000 LQP000 LQP000 F55 F70 F120S F70 F120S FP0-C16CT FP0-C32CT FP0-C32CT FP2SH FP3 FP-M (C20TC; FP-M (C32TC;	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊡S F140S F15⊡S FP1-C24C FP1-C24C FP1-C24C FP5 FP10SH) FP-Σ	0 0 0 × × × ×		× × ×	× × × ×	× × ×		K300S K200S K120S	IC200UAL005 IC200UAA007 IC200UAA007 IC200UD120 IC200UDD110 IC200UDD120 IC200UDD212 IC200UDR005 IC200UDR006 IC200UDR064 IC200UD164 IC200UD164 IC200UD164 IC200UD164 IC200UD164 IC200UD164 IC200UD164 IC200UD164 IC200UDR064 K4P-15S K3P-07 S K7M-D S (DC) TSX F57 203M	0	0	-	×	
*1 Fuji Electric FA Components & Systems *1	EH-150 series EH-150 series S10V S10mini A MICREX-F	H-40DR H-64DR H-64DR H-62DT EH-CPU104 EH-CPU208 EH-CPU208 EH-CPU516 LOP520 LOP500 LOP600 LOP010 F55 F70 F55 F70 F55 F70 F90-C16CT FP0R FP2 FP2SH FP3 FP3 FP-M (C20TC	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊡S F140S F15⊡S FP1-C24C FP1-C24C FP1-C24C FP5 FP10SH) FP-Σ	0 0 0 ×		× × × ×	× × × × × × × × × × × × × × × × × × ×	× × ×		K300S K200S K120S K120S K80S Modicon	IC200UAL005 IC200UAA007 IC200UAA007 IC200UDA007 IC200UDD120 IC200UDD120 IC200UDD05 IC200UDR005 IC200UDR006 IC200UDR010 IC200UDD164 IC200UDR164 IC200UD	0	0	-	×	
*1 Fuji Electric FA Components & Systems *1	EH-150 series EH-150 series S10V S10mini A MICREX-F	H-40DR H-64DR H-64DR H-64DR EH-CPU104 EH-CPU104 EH-CPU104 LOP510 LOP500 LOP000 LOP000 LOP000 LOP000 LOP000 F50 F70 F70 F70 F70 F70 F70 F70 F70 F70 F7	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊡S F140S F15⊡S FP1-C24C FP1-C24C FP1-C24C FP5 FP10SH) FP-Σ	 0 0 0 × × × × 			× × × × × × × × × × × × × × × × × × ×	× × × ×		K300S K200S K120S K80S	IC200UAL005 IC200UAL006 IC200UAA007 IC200UAR028 IC200UDR0212 IC200UDD120 IC200UDD212 IC200UDR005 IC200UDR006 IC200UDR0064 IC200UDR606 IC200UDR164 IC200UDR64 IC200UDR64 K3P-07 K7M-0 U K7M-0 S (/DC) TSX P57 203M TSX P57 303M TSX P57 303M TSX P57 353M	0	0	-	×	
*1 Fuji Electric FA Components & Systems *1	EH-150 series EH-150 series S10V S10mini A MICREX-F	H-40DR H-64DR H-64DR H-64DR EH-CPU104 EH-CPU104 EH-CPU516 LQP510 LQP500 LQP600 LQP600 LQP600 LQP600 F70 F70 F70 F70 F70-C32CT FP0-C32CT FP2- FP3 FP3 FP3 FP3 FP3 FP3 FP3 FP3 C22TC FP-X GL120 GL130 GL60S	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊡S F140S F15⊡S FP1-C24C FP1-C24C FP1-C24C FP5 FP10SH) FP-Σ	0 0 0 × × × ×		× × × ×	× × × × × × × × × × × × × × × × × × ×	× × ×		K300S K200S K120S K120S K80S Modicon	IC200UAL005 IC200UAA007 IC200UAA007 IC200UA028 IC200UD110 IC200UDD110 IC200UDD120 IC200UDR005 IC200UDR006 IC200UDR0064 IC200UDD164 IC200UDR64 IC200UDR64 IC200UDR64 IC200UDR64 IC200UDR64 IC200UDR64 IC200UD75 S(DC) TSX P57 203M TSX P57 303M TSX P57 353M	0	0	-	×	
*1 Fuji Electric FA Components & Systems *1	EH-150 series EH-150 series S10V S10mini A MICREX-F	H-40DR H-64DR H-64DR H-62DT EH-CPU104 EH-CPU208 EH-CPU208 EH-CPU516 LOP520 LOP520 LOP600 LOP000 LOP010 F55 F70 F55 F70 F72 F70 F72 F72 F72 F72 F72 F72 F72 F72 F72 F72	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊡S F140S F15⊡S FP1-C24C FP1-C24C FP1-C24C FP5 FP10SH) FP-Σ	 0 0 0 × × × × 			× × × × × × × × × × × × × × × × × × ×	× × × ×	Systems	K300S K200S K120S K120S K80S Modicon	IC200UAL005 IC200UAL006 IC200UAA007 IC200UAR028 IC200UD110 IC200UD120 IC200UD120 IC200UDR005 IC200UDR0064 IC200UDR064 IC200UDR064 IC200UDR064 IC200UDR064 IC200UDR064 IC200UDR064 IC200UDR064 IC200UDR064 ISX P57 203M TSX P57 253M TSX P57 453M IA0 CPU 311 10	0	0	×	× 0	×
*1 Fuji Electric FA Components & Systems *1	EH-150 series EH-150 series S10V S10mini A MICREX-F	H-40DR H-64DR H-64DR H-62DT EH-CPU104 EH-CPU104 EH-CPU104 LOP510 LOP520 LOP500 LOP000 LOP000 LOP000 LOP000 F70 F70 F70 F70 F70 F70 F70 F70 F70	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊡S F140S F15⊡S FP1-C24C FP1-C24C FP1-C24C FP5 FP10SH) FP-Σ	 0 0 0 × × × × 	0 0 0 × 0 × 0 ×		× × × × × × × × × × × • • • • • • • • •	× × × ×		K300S K200S K120S K120S K80S Modicon	IC200UAL005 IC200UAL006 IC200UA007 IC200UA007 IC200UA007 IC200UA007 IC200UD010 IC200UD0121 IC200UD0122 IC200UD0605 IC200UD0606 IC200UD064 IC200UD064 IC200UD064 IC200UD064 IC200UD064 IC200UD064 IC200UD064 IC200UD71S K7M-D U ISX P57 253M TSX P57 253M TSX P57 33M TSX P57 33M TSX P57 33M TSX P57 33M TSX P57 453M TSX P57 453M TACPU1110 140 CPU 341 120 140 CPU 341 120	0	0	-	×	
*1 Fuji Electric FA Components & Systems *1 Panasonic Cor	board type EH-150 series S10V S10mini MICREX-F	H-40DR H-64DR H-62DT EH-CPU104 EH-CPU108 EH-CPU516 LOP510 LOP520 LOP500 LOP000 LOP000 LOP000 F55 F70 F120S FP0-C16CT FP0-C32CT FP0-C32CT FP0-C32CT FP2 FP2SH FP3 FP-M (C20TC FP-X GL120 GL130 GL60S GL60H GL70H CP-9300SH CP-9300SH	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊡S F140S F15⊡S FP1-C24C FP1-C24C FP1-C24C FP5 FP10SH) FP-Σ	0 0 0 0 × × 0 0			× × × × × × × × × × × × × × × × × × ×	× × × ×	Systems	K300S K200S K120S K80S Modicon Premium	IC200UAL005 IC200UAL006 IC200UA007 IC200UA007 IC200UBR028 IC200UDD100 IC200UDD1212 IC200UDR005 IC200UDR006 IC200UDR006 IC200UDR008 IC200UDR008 IC200UDR064 K4P-155 K3P-07 IS K7M-D IS K7M-D IS K78-57 233M TSX P57 233M TSX P57 353M TSX P57 353M TA 140 CPU 334 14U 140 CPU 334 150 140 CPU 651 50	0	0	×	× 0	×
*1 Fuji Electric FA Components & Systems *1	board type EH-150 series S10V S10mini MICREX-F	H-40DR H-64DR H-64DR H-62DT EH-CPU104 EH-CPU208 EH-CPU208 EH-CPU208 LOP500 LOP520 LOP600 LOP000 LOP000 LOP001 F55 F70 F70 F70 F70 F70 F70 F70 F70 F70 F70	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊡S F140S F15⊡S FP1-C24C FP1-C24C FP1-C24C FP5 FP10SH) FP-Σ	 0 0 0 × × × 0 × ×	0 0 0 × 0 × 0 ×		× × × × × × × × × × × × × × × × × × ×	× × × × ×	Systems	K300S K200S K120S K80S Modicon Premium	IC200UAL005 IC200UAA007 IC200UAA007 IC200UAR028 IC200UDR0212 IC200UDD212 IC200UDD212 IC200UDR005 IC200UDR006 IC200UDR0064 IC200UDR164 IC200UDR164 IC200UDR164 IC200UDR164 IC200UDR65 IC200UDR64 K7M-D ISX F57 203M TSX F57 203M TSX F57 303M TSX F57 303M TSX F57 303M TSX F57 353M 140 CPU 434 12U 140 CPU 431 12U 140 CPU 651 50 140 CPU 651 50 140 CPU 651 50	0	0	×	× 0	×
*1 Fuji Electric FA Components & Systems *1 Panasonic Cor	board type EH-150 series S10V S10mini MICREX-F	H-40DR H-64DR H-64DR H-64DR H-6PU104 EH-CPU208 EH-CPU208 EH-CPU208 EH-CPU208 LOP500 LOP500 LOP000 LOP000 LOP000 LOP000 FF0 F70 F70 F70 F70 F70 F70 F70 F70	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊡S F140S F15⊡S FP1-C24C FP1-C24C FP1-C24C FP5 FP10SH) FP-Σ		0 0 0 × 0 × 0 ×		× × × × × × × × × × × × × × × × × × ×	× × × × × × × × ×	Systems	K300S K200S K120S K80S Modicon Premium	IC200UAL005 IC200UAA007 IC200UAA007 IC200UAR028 IC200UDR0212 IC200UDD212 IC200UDR005 IC200UDR006 IC200UDR006 IC200UDR0064 IC200UDR164 IC20	0	0	×	× 0	×
*1 Fuji Electric FA Components & Systems *1 Panasonic Cor	board type EH-150 series S10V S10mini MICREX-F	H-40DR H-64DR H-64DR H-62DT EH-CPU104 EH-CPU108 EH-CPU516 LOP500 LOP500 LOP000 LOP000 LOP000 LOP000 F70 F70 F70 F70 F70 F70 F70 F70 F70	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊡S F140S F15⊡S FP1-C24C FP1-C24C FP1-C24C FP5 FP10SH) FP-Σ	 0 0 0 × × × 0 × ×			× × × × × × × × × × × × × × × × × × ×	× × × × ×	Systems	K300S K200S K120S K80S Modicon Premium	IC200UAL005 IC200UAA007 IC200UAA007 IC200UAR028 IC200UD110 IC200UD120 IC200UD120 IC200UD005 IC200UD0064 IC200UD064 IC200UDR064 IC200UDR064 IC200UDR064 IC200UDR064 IC200UDR064 IC200UDR064 ISX P57 203M TSX P57 203M TSX P57 303M TSX P57 303M TSX P57 453M TSX P57 453M TAC PU 341 10 140 CPU 341 120 140 CPU 451 50 140 CPU 451 50 140 CPU 451 60 140 CPU 451 60 140 CPU 451 60 140 CPU 451 20 140 CPU 451 20	0	0	×	× 0	×
*1 Fuji Electric FA Components & Systems *1 Panasonic Cor	board type EH-150 series S10V S10mini MICREX-F	H-40DR H-64DR H-64DR H-62DT EH-CPU104 EH-CPU104 EH-CPU104 LOP510 LOP520 LOP500 LOP000 LOP000 LOP000 LOP000 LOP000 F70 F70 F70 F70 F70 F70 F70 F70 F70	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊡S F140S F15⊡S FP1-C24C FP1-C24C FP1-C24C FP5 FP10SH) FP-Σ					× × × × ×	Schneider Electric SA	K300S K200S K120S K80S Modicon Premium	IC200UAL005 IC200UAA007 IC200UAA007 IC200UAR028 IC200UDR028 IC200UDD120 IC200UDD120 IC200UDR05 IC200UDR066 IC200UDR066 IC200UDR066 IC200UDR664 K4P-155 K7M-D S (/DC) TSX P57 203M TSX P57 233M TSX P57 303M TSX P57 303M TSX P57 333M TSX P57 453M 140 CPU 341 140 140 CPU 451 50 140 CPU 451 60 140 CPU 113 02 140 CPU 451 60 140 CPU 451 60 140 CPU 113 02 140 CPU 51 60 140 CPU 451 60 140 CPU 451 60 140 CPU 451 60 140 CPU 534 142 140 CPU 534 142 140 CPU 534 143 140 CPU 534 143 140 CPU 534 143 <td>0</td> <td>0</td> <td>× ×</td> <td>× 0</td> <td>×</td>	0	0	× ×	× 0	×
*1 Fuji Electric FA Components & Systems *1 Panasonic Cor	board type EH-150 series S10V S10mini MICREX-F	H-40DR H-64DR H-64DR H-62DT EH-CPU104 EH-CPU104 EH-CPU104 EH-CPU104 LOP520 LOP520 LOP500 LOP000 LOP000 LOP000 LOP000 F70 F120S F70-C16CT FP0-C32CT FP0-C32CT FP0-C32CT FP2 FP2SH FP3 FP-M (C32TC FP-X GL120 GL60S GL70S GL60S GL70S	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊡S F140S F15⊡S FP1-C24C FP1-C24C FP1-C24C FP5 FP10SH) FP-Σ				× × × × × × × × × × × × × × × × × × ×		Systems Schneider Electric SA SICK AG	K300S K200S K120S K80S Modicon Premium	IC200UAL005 IC200UAL006 IC200UAA007 IC200UAR028 IC200UAR028 IC200UDD110 IC200UDD120 IC200UDD121 IC200UDR005 IC200UDR006 IC200UDR006 IC200UDR006 IC200UDR064 K200UDR164 IC200UDR064 K3P-07 K3P-07 K7M-D IX F57 253M TSX F57 253M TSX F57 303M TSX F57 353M TSX F57 453M TSX F57 453M TSX F57 453M TSX F57 453M TAC PU 451 10 140 CPU 341 12A	0 X	0 0 ×	× ×	× 0 ×	×
*1 Fuji Electric FA Components & Systems *1 Panasonic Cor	EH-150 series S10V S10mini MICREX-F orporation	H-40DR H-64DR H-64DR H-64DR EH-CPU104 EH-CPU104 EH-CPU516 LQP510 LQP510 LQP500 LQP000 LQP000 LQP000 F55 F70 F120S F70 F120S F70-C16CT FP0-C32CT FP0-C32CT FP2- FP2- FP2- FP2- FP2- FP3 FP2- FP2- FP3 FP2- FP3 FP3- GL120 GL120 GL120 GL120 GL120 GL60S GL60H GL70H CP-3200MS MP940 PR0GIC-8 CP-3200 (H) CP-312 CP-317 MP2200 (S)	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊡S F140S F15⊡S FP1-C24C FP1-C24C FP1-C24C FP5 FP10SH) FP-Σ						Schneider Electric SA	K300S K200S K120S K80S Modicon Premium	IC200UAL005 IC200UAL006 IC200UAA007 IC200UAR028 IC200UD110 IC200UD120 IC200UD120 IC200UD005 IC200UD0064 IC200UD164 IC200UD164 IC200UD064 IC200UD064 IC200UD064 IC200UD064 IC200UD064 IC200UD064 IC200UD064 IC200UD064 IC200UD164 IC200UD164 IC200UD375 ISX F57 203M TSX F57 203M TSX F57 453M I40 CPU 311 10 140 CPU 341 120 140 CPU 434 121 140 CPU 451 60 140 CPU 451 60 140 CPU 451 60 140 CPU 451 1232 140 CPU 434 12A 140 CPU	0 0 ×	0 0 ×	× ×	× 0	• X ● #11
*1 Fuji Electric FA Components & Systems *1 Panasonic Cor	board type EH-150 series S10V S10mini MICREX-F	H-40DR H-64DR H-64DR H-64DR EH-CPU104 EH-CPU104 EH-CPU56 LQP510 LQP510 LQP500 LQP000 LQP000 LQP000 F55 F70 F120S FP0-C16CT FP0-C32CT FP0-C32CT FP0-C32CT FP-M (C20TC FP2- FP3 FP-M (C20TC FP-M (C20TC FP-M (C20TC FP-M (C20TC FP-M (C20TC FP-M (C20TC FP-M (C20TC) FP-M (HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊡S F140S F15⊡S FP1-C24C FP1-C24C FP1-C24C FP5 FP10SH) FP-Σ						Systems Schneider Electric SA SiCK AG Siemens AG	K300S K200S K120S K80S Modicon Premium Modicon Quantum	IC200UAL005 IC200UAL006 IC200UA007 IC200UA007 IC200UA007 IC200UA007 IC200UA007 IC200UD010 IC200UD01212 IC200UD005 IC200UD0064 IC200UD0064 IC200UD064 IC200UD064 IC200UD064 IC200UD064 IC200UD064 IC200UD064 IC200UD064 IC200UD164 IXP57303M IXX P57333M IXX P57333M	0 0 X	0 0 ×	× × ×	× 0 ×	• X *11 XX 0
*1 Fuji Electric FA Components & Systems *1 Panasonic Cor	EH-150 series S10V S10mini MICREX-F orporation	H-40DR H-64DR H-62DT EH-CPU104 EH-CPU108 EH-CPU108 EH-CPU516 LOP520 LOP520 LOP000 LOP000 LOP000 F55 F70 F120S FP0-C16CT FP0-C32CT FP0-C32CT FP2 FP2SH FP3 FP-M (C20TC FP-X GL120 GL120 GL60S GL60H GL70H GL60S GL60H GL70H CP-3200SH CP-320SH CP-32	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F14CPU548 F15_IS FP1-C40C FP1-C40C FP5 FP10 (S) FP10(S) FP10SH) FP-Σ)						Systems Schneider Electric SA SiCK AG Siemens AG	K300S K200S K120S K80S Modicon Premium Modicon Quantum	IC200UAL005 IC200UAL006 IC200UAA007 IC200UAR028 IC200UDR028 IC200UD120 IC200UDR0212 IC200UDR005 IC200UDR006 IC200UDR064 IC200U	× × × × × × × × × × × × × × × × × ×		× × × ×	× 0 × 0 0 0 0 0 0 0 0 0 0 0 0 0	×
*1 Fuji Electric FA Components & Systems *1 Panasonic Cor YASKAWA Ele *10	board type EH-150 series S10V S10mini MICREX-F	H-40DR H-64DR H-64DR H-64DR EH-CPU104 EH-CPU104 EH-CPU56 LQP510 LQP510 LQP500 LQP000 LQP000 LQP000 F55 F70 F120S FP0-C16CT FP0-C32CT FP0-C32CT FP0-C32CT FP-M (C20TC FP2- FP3 FP-M (C20TC FP-M (C20TC FP-M (C20TC FP-M (C20TC FP-M (C20TC FP-M (C20TC FP-M (C20TC) FP-M (HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15 F15 S F15 S FP1-C40C FP1-C40C FP5 FP10 (S) FP10 (S) FP10SH) FP-Σ						Systems Schneider Electric SA SiEK AG Siemens AG	K300S K200S K120S K80S Modicon Premium Modicon Quantum	IC200UAL005 IC200UAL006 IC200UAA007 IC200UAR028 IC200UDR028 IC200UD120 IC200UDR0212 IC200UDR005 IC200UDR006 IC200UDR064 IC200U	× × × × × ×	C C X X Y Yhe GT16 Applicable MP920, M	× × × × softs. Galts. G	× O Supported. T14, and 6 e following g	× *11 x 0 if112 only. models: 000,
*1 Fuji Electric FA Components & Systems *1 Panasonic Cor YASKAWA Ele *10	EH-150 series S10V S10mini MICREX-F orporation	H-40DR H-64DR H-64DR H-64DR H-6PU104 EH-CPU104 EH-CPU104 EH-CPU104 LOP510 LOP520 LOP000 LOP000 LOP000 LOP010 F55 F70 F70 F70 F70 F70 F70 F70 F70 F70 F70	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F140S F140S F140S F15S FP1-C24C FP1-C40C FP5 FP10 (S) FP10 (S)						Systems Schneider Electric SA Siemens AG Siemens AG Siemens AG Siemens AG Siemens AG Siemens AG Siemens AG	K300S K200S K120S K00S Modicon Premium Modicon Quantum Quantum Addition Quantum Addition Quantum Quantum Addition Quantum Addition Quantum Addition Quantum Addition Quantum Addition Quantum Addition Quantum Addition Addition Quantum Addition Addition Quantum Addition Addition Addition Addition Quantum Addition Addition Addition Quantum Addition Additio	IC200UAL005 IC200UAL006 IC200UAA007 IC200UAR028 IC200UAR028 IC200UDD110 IC200UDD120 IC200UDD120 IC200UDD120 IC200UDR005 IC200UDR006 IC200UDR006 IC200UDR006 IC200UDR064 K3P-07 K3P-07 K7M-D IX K97 253M TSX P57 303M TSX P57 303M TSX P57 303M IXA CPU 43110 140 CPU 43110 140 CPU 43110 140 CPU 43110 140 CPU 434 12A 140 CPU 34	× × × × × × × × ×	C C C C C X X (PCCC pro Vhe GTI6 applicable MP920, M MP920, M	× × × × × otocol) is s only to the pegado, MP 2000	× o xupported. T14, and 6 e following 940, MP22 is supported. is supported.	× *11 x 0 if112 only. models: 000,
*1 Fuji Electric FA Components & Systems *1 Panasonic Cor YASKAWA Ele *10	board type EH-150 series S10V S10mini MICREX-F	H-40DR H-64DR H-62DT EH-CPU104 EH-CPU108 EH-CPU108 EH-CPU516 LOP500 LOP500 LOP000 LOP000 LOP000 F55 F70 F120S F70 F120S F70-C32CT FP0-C32CT FP0-C32CT FP0-C32CT FP0-C32CT FP-M (C20TC FP-M (C20TC FP-M (C32TC FP-M (C32TC FP-X GL120 GL130 GL60H GL60H GL70H CP-3200(H) CP-312 CP-3200 (H) CP-312 CP-317 MP2200 MP300 S1550 F33P10 F33P10 F33P20	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊆IS F15⊆IS FP1-C24C FP1-C40C FP5 FP10 (S) FP10SH ·) FP-Σ ·)						Systems Schneider Electric SA Siemens AG Siemens AG	K300S K200S K120S K80S Modicon Premium Modicon Quantum	IC200UAL005 IC200UAL006 IC200UAA007 IC200UAR028 IC200UDR0212 IC200UDR005 IC200UDR006 IC200UDR006 IC200UDR006 IC200UDR0064 IC200UDR064 IC20	× ×		× × × × votocol) is s , GT15, G P930, MPP P930, MPP	× · · · · · · · · · · · · ·	×
*1 Fuji Electric FA Components & Systems *1 Panasonic Cor YASKAWA Ele *10 Yokogawa Electric	board type EH-150 series S10V S10mini MICREX-F	H-40DR H-64DR H-62DT EH-CPU104 EH-CPU108 EH-CPU108 EH-CPU516 LOP520 LOP500 LOP000 LOP000 LOP000 F55 F70 F120S F70 F120S F70-C32CT FP0-C32CT FP0-C32CT FP0-C32CT FP0-C32CT FP3 FP-M (C20TC FP-X GL120 GL130 GL60H GL70H CP-9200SH CP-9200(H) CP-9200(S) F3SP05 F3SP05 F3SP20 F3SP25	HL-64DR EH-CPU308 EH-CPU308 EH-CPU308 EH-CPU308 F15⊆IS F15⊆IS FP1-C24C FP1-C40C FP5 FP10 (S) FP10 (S) FP10SH) FP5 FP10 (S) FP10SH FP5 FP10 (S) FP5 FP10 (S) FP10						Systems Schneider Electric SA Siemens AG Siemens AG Sie	K300S K200S K120S K80S Modicon Premium Modicon Quantum	IC200UAL005 IC200UAL006 IC200UAA007 IC200UAR028 IC200UAR028 IC200UDD110 IC200UDD120 IC200UDD121 IC200UDD120 IC200UDD120 IC200UDD120 IC200UDD120 IC200UDR005 IC200UDR064 IC200UDR064 IC200UDR164 IC200UDR064 K3P-07 K7M-0 U K7M-0 S (/DC) TSX F57 203M TSX F57 253M TSX F57 303M TSX F57 353M TAC CPU 351 10 140 CPU 351 160 140 CPU 351 120 140 CPU 451 50 140 CPU 451 50 140 CPU 451 50 140 CPU 354 142 140 CPU 354 142 140 CPU 451 13 02 140 CPU 451 10 140 CPU 451 10 140 CPU 534 142 140 CPU 543 140 Fiexi Soft series SIMATIC S7-300 series SIMATIC S7-300 series <		C X	× × × × votocol) is s , GT15, G P930, MPP P930, MPP	× · · · · · · · · · · · · ·	×

List of connectable models

		ollers/Safety co		IVIa	anufacturer	Model name	RS-485	RS-422	RS-232	Ethern
		arty computer link and Et		OMRON	Thermac NEO	E5AN E5CN E5EN E5GN		×	* 3	
Manufacturer	RS-422	RS-232	Ethernet		In-Panel NEO ACS-13A series	E5ZN	(2-wire type)*1			-
	C200H-LK202-V1 C500-LK201-V1	C200H-LK201-V1 C500-LK201-V1	CS1W-ETN21 CS1W-EIP21		DCL-33A series	ACS-13A / , , , , , , , , , , , , , , , , , ,				
	CQM1-SCB41 CJ1W-SCU41	CS1W-SCU21 CS1W-SCB21/41	CS1D-ETN21D CJ1W-ETN21		JC series	JCR-33A/,C5*9	(2-wire type)*2		○* 3	
RON	CJ1W-SCU21-V1+CP1W-EXT01	CJ1W-SCU21-V1 CJ1W-SCU21-V1+CP1W-EXT01	CJ1W-EIP21		JCM-33A series	JCD-33A/,C5*9				
st link unit/ munication unit/	CS1W-SCB41 C200HW-COM03/06	CJ1W-SCU41			JCM-33A series FCR-100 series	FCR-13A/M,C				1
nmunication board/	CP1W-CIF11 CP1W-CIF12	C200HW-COM02/05/06 CQM1-CIF01/02		Shinko		FCR-15A/M,C FCD-13A/M,C				
nernet unit	CJ1W-CIF11	CQM1-SCB41 CPM1-CIF01		Technos	FCD-100 series	FCD-15A-	×	×		
		CPM2C-CN111			FCR-23A series	FCR-23A/M,C PC935/M,C	-		* 5	
		CPM2C-CIF01-V1 CP1W-CIF01			PC-900 series	PC935/M,C5*9 PC955/M,C	(2-wire type)*2 ×		-	
EYENCE	KV-L20R KV-L20V	KV-L20R KV-L20V			DOD 000	PC955/M,C5*9	0			
ulti-communication unit DYO ELECTRONICS INDUSTRIES	KV-L20 U-01DM	KV-L20 U-01DM			PCD-300 series FIR series	PCD-33A/M,C5*9 FIR-201-M,C	(2-wire type)*2			
ata communication module/ rial data communication module	D2-DCM D0-DCM	D2-DCM D0-DCM	—		JIR-301-M series LT300 series	JIR-301-M_,C5*9 LT350 LT370	(2-wire type)*2	Ī	0*3	{
harp Manufacturing Systems	JW-21CM ZW-10CM	D0-DCIVI			LT400 series	LT450 LT470	1		*3 0 ^{*4}	
nk unit	JW-10CM				DZ1000 series DZ2000 series	DZ1000 *8 DZ2000 *8			~	
EKT nk unit	THU-2755 THU-5139 THU-2927	-	—		LT230 series LT830 series	LT230 LT830	(2-wire type)*2	X	* 3	
OSHIBA Ethernet unit	—	—	EN811		GT120 series	GT120				l ×
tachi Industrial Equipment Systems telligent serial port module	COMM-H COMM-2H	COMM-H COMM-2H	—	CHINO	DB1000 series DB2000 series	DB1000 DB2000		0	0	^
tachi	LQE565	LQE560 LQE160			KP series	KP1000 KP2000				1
ommunication module	LQE165	LQE060 NV1L-RS2			AL3000 series AH3000 series	AL3000 AH3000			0	
uji Electric RS-232C]		SE3000 series JU series	SE3000	(2-wire type)*2			-
RS-232C/485	FFK120A-C10	FFK120A-C10]		KE series	KE3000	1		×	
Systems General interface	NC1L-RS4	NC1L-RS2	1		LE5000 series	LE5000 PXR PXR3/4/5/9	-	├		{
module	FFU120B	FFU120B		Fuji Electric Systems	Micro Controller X	PXG PXG4/5/9	(2-wire type)*1	×	○* 3	
nasonic Corporation	AFPX-COM3	AFP2462 AFPX-COM1 AFP3462 AFPX-COM2		Cystoms		PXH PXH9 UT320 UP350		$\left - \right $		1
omputer communication unit		AFP5462 AFPX-COM4			1	UT321 UP351				
ASKAWA Electric	JAMSC-120NOM27100 JAMSC-IF612	JAMSC-IF60 217IF JAMSC-IF61 217IF-01	218IF 218IF-01		1	UT350 UP550 UT351 UP750	0			
EMOBUS module/ mmunication module	217IF	CP-217IF 218IF-01	218IF-02			UT420 UM330	(2-wire type *2/			
kogawa Electric	217IF-01 LC02-0N	218IF-02 LC01-0N F3LC11-1N	F3LE01-5T		GREEN series	UT450 UM331 UT520 UM350	4-wire type)			
rsonal computer link module/	F3LC11-2N	LC02-0N F3LC11-1F	F3LE11-0T		1	UT550 UM351 UT551 US1000				
n-Bradley (Rockwell Automation, Inc.)		F3LC01-1N F3LC12-1F	F3LE12-0T 1756-ENBT	Yokogawa		UT750		×	⊖*3	
erNet/IP communication module		_	1756-ENET		UT100 series	UT130 UT155 UT150 UP150	(2-wire type)*2			
Fanuc Automation Corporation mmunication module	IC693CMM311 IC697CMM711	IC693CMM311 IC697CMM711	_			UT152				
Industrial Cnet communication unit	G7L-CUEC	G7L-CUEB	<u> </u>		UT2000 series	UT2400 UT2800 UT32A UP35A	(4-wire type)			
tems Cnet communication module	G6L-CUEC G4L-CUEA	G6L-CUEB G4L-CUEA			UTAdvanced series	UT35A UP55A	(2-wire type*2/			
			TSX ETY 4102 TSX ETY 5102			UT52A UM33A UT55A	4-wire type)			Ľ
chneider Electric SA hernet unit	—	_	140 NOE 771 00		SR Mini HG	H-PCP-J H-PCP-A H-PCP-B*8	(2-wire type)*1	0	0	
			140 NOE 771 10 140 NWM 100 00		SRZ	Z-TIO Z-CT		0*6	0*	1
					582	Z-DIO CB100 CB700	(2-wire type)*1 *7			-
Servo amplifie	The GOT can be use	ed to set parameters and	display alarms.		СВ	CB400 CB900*8		x	⊖*3	
						CB500*8 FB100				
Manufacturer	Model name	GT16/GT15/GT14/			FB	FB400 FB900	(2-wire type)*1		0	1
	MINAS A4 series	RS-485	RS-232	RKC	RB	RB100 RB700 RB400 RB900		X	⊖*3	×
anasonic	MINAS A4F series		0	Instrument	PF	RB500 PF900 PF901		\vdash		-
	MINAS A4L series MINAS A5 series				HA	HA400 HA900			0	
					RMC	HA401 HA901 RMC500		X		1
Robot control	lers The GOT can be set their parame	e used to monitor robot co ters.	ntrollers and		MA	MA900 MA901		0	Ŏ	1
		1	12/CT11/CT10		AG THV	AG500 THV-A1	(2-wire type)*1		×	
Manufacturer	Model name	GT16/GT15/GT14/GT RS-422	RS-232		SA SRX	SA100 SA200 X-TIO		×	()*3	
	XSEL-J/K/KE	113-422	-115-232-	*1 : Supporte	d by the GT16, GT15, and	d GT14 only. Not supported by	the GT16 Handy.		I	
	XSEL-P/Q	-		GT16: Us GT15: Us	se RS-422/485 interface o se GT15-RS4-TE, GT-15-I	r GT15-RS4-TE. GT-15-RS4-9 RS4-9S is not applicable.	S is not applicable.			
X-SE	L XSEL-JX/KX		â	GT14: Us	se RS-422/485 interface o	or GT14-RS2T4-9P. only. Not supported by the GT	16 Handv.			
	XSEL-KTX XSEL-PX/QX	- ×	0	GT16: Us GT15: Us	se RS-422/485 interface o se GT15-RS4-TE, GT-15-	r GT15-RS4-TE. GT-15-RS4-9 -RS4-9S is not applicable.	9S is not applicable.			
SSEL	SSEL]		*3 : If the temp	erature controller/indicating c	ontroller is designed for RS-485, us ontroller is designed for RS-422, us	e the RS-232/RS-485	converter su	pplied by th	he manu
ASEL	- PSEL	<u> </u>		*5 : Only indic	cating controllers with RS-	-232 serial communication func	tion can be connect	ted.	բբուզը na tu	ne manul
PCO	PCON-C/CG/CF/CY	-		*7 : Use a cor	mmunication extension m mmunication extension m	odule (Z-COM) depending on t	he temperature con	troller syste	em configi	juration.
PCO	PCON-PL/PO	1		*8 : Select a r *9 : Connection	model name that supports is possible to products manufa	s the MODBUS [®] communication actured after October, 2010 (Instrumer	n function.		-	
ACO	ACON-C/CG/CY	- 0	0	*10: Supporte *11: Only MOI	d by the GT16, GT15, GT DBUS [®] /RTU connection is	14, and GT12 only. s supported. Use a MODBUS/F	RTU communication	driver.		
	ACON-PL/PO	1		*12: Only MOI	OBUS®/TCP connection is	s supported. Use a MODBUS/T	CP communication	driver.		
SCO	N SCON-C 2 ERC2	-								
				MODE		Connection to all MODBUS®/	RTU and MODBUS®/TC	P slave devic	es is possib	ble by usi
emperature controlle	ers/Other controllers	The GOT can be use set parameters, and		MODE	ous device	es MODBUS/RTU communicatio (For the GT11 and GT1	in univer or the MODBUS	NICP commu RTU conr	inication driv	suppor
						the are an in and off	.,,			
Manufacturer	Model name	GT16/GT15/GT14/		For details	regarding operation	-verified MODBUS® dev	rices, refer to Tr	echnical	Bulletin	ı
		RS-485 RS-422 R	S-232 Ethernet*10	No. GOT-A	-0037 (List of Valid	Devices Applicable for C	OT1000 Series	s MODB	US® Co	onnect
	SDC15 SDC36 SDC25 SDC45	0				Data can be written to a	and road from vietual	devices -	n a COT L	hucon
	SDC26 SDC46	(2-wire type)*1		Microco	mputer connecti	a personal computer, m				
SDC	SDC35 SDC20 SDC40A	× 1	⊃*3 ×					.,		
	SDC21 SDC40B	(2-wire type/*1		*: Applicable	e GOT varies depending	on the connection destination.				
	SDC30 SDC40G	4-wire type)		GT16 ··· V	When connected via RS-232, RS-4	22/485 or Ethernet: All models (Use her than above: All models (Bus	s connection and net	twork conn	ection are	e enable
	SDC31	(2-wire type)*1	×		When connected via RS-2	mounting a com	munication unit on the the built-in interfact	the GOT m	nain unit.)	
DMC	DMC10	(Quing hing#1/duing hing)			When other than RS-232	· All models (USE			ection are	e enable
DMC	DMC10 DMC50 NX-D15 NX-DX1	(2-wire type ^{#1} /4-wire type) ×				. All models (Due	s connection and net	twork conn	voin	
DMC NX	DMC10 DMC50 NX-D15 NX-DX1 NX-D25 NX-DX2	(2-wire type [#] /4-wire type) × (2-wire type)*1 *11 ×	× 0*12	GT14 V	When connected via RS-232, RS-4	mounting a com 22/485 or Ethernet: All models (Use	nmunication unit on the built-in interfact	the GOT m e of the GC	nain unit.) OT main u	unit.)
DMC NX CMS	DMC10 DMC50 NX-D15 NX-DX1 NX-D25 NX-DX2 NX-D35 NX-DY CMS	(2-wire type)*1 *11 ×		GT14 V GT12 … V GT11 … V	When connected via RS-232, RS-4 When connected via RS-232, RS-4 When connected via RS-2	mounting a com 22/485 or Ethernet: All models (Use 22/485 or Ethernet: All models (Use 232 or RS-422: GT115Q_B	nmunication unit on t the built-in interface the built-in interface D	the GOT m e of the GC e of the GC	nain unit.) OT main u	unit.)
DMC NX CMS CML	DMC10 DMC50 NX-D15 NX-DX1 NX-D25 NX-DX2 NX-D35 NX-DY CMS CML	(2-wire type)*1*11 × (2-wire type)*1 (2-wire type)*1 (2-wire type)*1		GT14 V GT12 ··· V GT11 ··· V	When connected via RS-232, RS-4 When connected via RS-232, RS-4 When connected via RS-2 When using bus connectio When using bus connectio	mounting a com 22/485 or Ethernet: All models (Use 22/485 or Ethernet: All models (Use 232 or RS-422: GT115Q_B on GT115Q_B 27/485 or Ethernet: GT115Q_B	nmunication unit on t the built-in interface the built-in interface DQ, GT115-QB	the GOT m the of the GC the of the GC	nain unit.) OT main u OT main u	unit.) unit.)
DMC DMC NX CMS CML CMF	DMC10 DMC50 NX-D15 NX-DX1 NX-D25 NX-DX2 NX-D35 NX-DY CMS CMS CML CMF015 CMF050	(2-wire type)*1 *11 ×		GT14 V GT12 ··· V GT11 ··· V	When connected via RS-232, RS-4 When connected via RS-232, RS-4 When connected via RS-2 When using bus connectio When using bus connectio	mounting a com 22/485 or Ethernet: All models (Use 22/485 or Ethernet: All models (Use 232 or RS-422: GT115Q_B on GT115Q_B 27/485 or Ethernet: GT115Q_B	nmunication unit on t the built-in interface the built-in interface DQ, GT115-QB	the GOT m the of the GC the of the GC	nain unit.) OT main u OT main u	unit.) unit.)
DMC DMC CMS CMS CML CMF MQV	DMC10 DMC50 NX-D15 NX-DX1 NX-D25 NX-DX2 NX-D35 NX-DY CMS CML CMF050 CMF050 MQV MQV	(2-wire type) ^{\$1} *11 × (2-wire type) ^{\$1} (2-wire type) ^{\$1} (2-wire type) ^{\$1} (2-wire type) ^{\$1} (2-wire type) ^{\$1} (2-wire type) ^{\$1} (2-wire type) ^{\$1}	×*12	GT14 V GT12 V GT11 V Handy GOT V GT10 V	When connected via RS-232, RS-4 When connected via RS-232, RS-4 When connected via RS-2 When using bus connectio When connected via RS-222, RS-4 When connected via RS-2 When connected via RS-2	mounting a com 22/455 or Ethemet: All models (Use 22/455 or Ethemet: All models (Use 3/2 or RS-422 : GT115Q_B 3/2 or RS-422 : GT115Q_B 2/455 or Ethemet: GT1665HS-VTI 3/2 or RS-422 : GT115_HS-Q_ 3/2 : GT105Q_B GT1020-L_D2	nmunication unit on 1 the built-in interface b DQ, GT115_Q_B BD BD D, GT104_Q_BD /L_DW2	the GOT m e of the GC e of the GC 3DA 0, GT1030-	nain unit.) OT main u OT main u H_D2/H	unit.) unit.) DW2,
bil prporation DMC NX CMS CML CMF MQV MPC MVF	DMC10 DMC50 NX-D15 NX-DX1 NX-D25 NX-DY CMS CML CMF015 CMF050 MQV MPC MVF MVF	(2-wire type) ^{§1} #11 × (2-wire type) ^{§1} (2-wire type) ^{§1} (2-wire type) ^{§1} (2-wire type) ^{§1} (2-wire type) ^{§1} (2-wire type) ^{§1} (2-wire type) ^{§1}		GT14 V GT12 V GT11 V Handy GOT V GT10 V	When connected via RS-232, RS-4 When connected via RS-232, RS-4 When connected via RS-2 When using bus connectio When using bus connectio	mounting a con 22485 or Ethemet: All models (Use 22485 or Ethemet: All models (Use 22485 or Ethemet: All models (Use 32 or RS-422: GT115 - 0 B m: GT115 - 0 B 32 or RS-422: GT115 - 0 B GT1020- 0 2 22 GT105 - 0 B GT1020 + 0 4 U	nmunication unit on 1 e the built-in interface bDQ, GT115Q_B BD D, GT104Q_BD /L_DW2 D, GT104Q_BD -T104Q_BD -T1020-L	the GOT m e of the GO e of the GO BDA 0, GT1030- 0, GT1030- 10/L DW.	nain unit.) DT main u DT main u H D2/H H D/H GT 1020-L	unit.) unit.) DW2, DW,
bil NX CMS CML CMF MQV MPC	DMC10 DMC50 NX-D15 NX-DX2 NX-D25 NX-DX2 NX-D35 NX-DY CMS CMS CMF015 CMF015 CMF050 MQV MPC MC	(2-wire type) ^{\$1} *11 × (2-wire type) ^{\$1} (2-wire type) ^{\$1} (2-wire type) ^{\$1} (2-wire type) ^{\$1} (2-wire type) ^{\$1} (2-wire type) ^{\$1} (2-wire type) ^{\$1}	×*12	GT14 V GT12 V GT11 V Handy GOT V GT10 V	When connected via RS-232, RS-4 When connected via RS-232, RS-4 When connected via RS-2 When using bus connectio When connected via RS-222, RS-4 When connected via RS-2 When connected via RS-2	mounting a con 22485 or Ethemet: All models (Use 22485 or Ethemet: All models (Use 22485 or Ethemet: All models (Use 32 or RS-422: GT115 - 0 B m: GT115 - 0 B 32 or RS-422: GT115 - 0 B GT1020- 0 2 22 GT105 - 0 B GT1020 + 0 4 U	nmunication unit on i the built-in interface b DQ, GT115Q_B BD BD D, GT104Q_BD /L_DW2 D, GT104Q_BD	the GOT m e of the GO e of the GO BDA 0, GT1030- 0, GT1030- 10/L DW.	nain unit.) DT main u DT main u H D2/H H D/H GT 1020-L	unit.) unit.) DW2, DW,

(2-wire type)*

CMC10B

GT SoftGOT1000 Version3

[PLCs/motion controllers] Mitsubishi PLCs and motion controllers

	Model name		J direct	Computer	MELSECNET/		CC-Link IE	CC-Link IE	Ether
	Q00JCPU	con	nection	link	H*1	10*2	Controller Network	Field Network	Laiel
	Q00CPU *3								
	Q01CPU *3	USB connec	tion						
	Q02CPU *3 Q02HCPU *3	connec	1						
MELSEC-Q series	Q06HCPU 🗱	1	0	0	_*5	_≉5	0	×	0
(Q mode)	Q12HCPU *3 Q25HCPU *3	-	ľ	Ŭ	Ŭ	~	Ŭ		Ĭ
	Q02PHCPU								
	Q06PHCPU	0							
	Q12PHCPU Q25PHCPU	1							
Redundant system	Q12PRHCPU	1		X	○ #5 #6 #12	()*5 *6	0	X	0
(main base) Redundant system	Q25PRHCPU	L			0	0	0	^	
(extension base)	Q12PRHCPU Q25PRHCPU	×	X	0	×	×	×	×	0
	Q00UJCPU								
	Q00UCPU Q01UCPU	1							
	Q02UCPU	1							
	Q03UDCPU Q04UDHCPU	0	0	0	0	0	0	0	0
	Q06UDHCPU	Ĭ	ľ		Ŭ	0	0	Ŭ	
	Q10UDHCPU								
	Q13UDHCPU Q20UDHCPU	1							
	Q26UDHCPU								
	Q03UDECPU Q04UDEHCPU								
	Q06UDEHCPU	1							
	Q10UDEHCPU								
	Q13UDEHCPU Q20UDEHCPU	0	X	0	0	0	0	0	0
	Q26UDEHCPU								
	Q50UDEHCPU Q100UDEHCPU	-							
MELSEC-QS series	Q100UDEHCPU QS001CPU	0	X	X	0	0	0	0	0
MELSEC-Q series	Q02CPU-A	Ĭ				~			
(A mode)	Q02HCPU-A Q06HCPU-A	-	0	0	×	0	Х	×	0
	L02CPU								
MELSEC-L series	L26CPU-BT	0	()*14	0	×	×	X	0	0
	L02CPU-P L26CPU-PBT	ſĬ	~	Ĭ				l	Ĭ
MELSEC-WS series	WS0-CPU0	<u> </u>	×	×	×	×	×	X	×
	WS0-CPU1 Q12DCCPU-V *16	0			Ô	0		×	
C controller	Q2ACPU (-S1)		0		0				
MELSEC-QnA series	Q3ACPU	1	0	0*4	X	0	×	×	0
(QnACPU type)	Q4ACPU Q4ARCPU	1	·						Ŭ
MELSEC-QnA series	Q2ASCPU (-S1)	-							
(QnASCPU type)	Q2ASHCPU Q2ASHCPU-S1	-	0	0*4	×	0	×	×	0
	A2UCPU (-S1)	-							
	A3UCPU	1							
	A4UCPU A2ACPU (-S1)	-							
	A2ACPUP21 (-S1)	1							
	A2ACPUR21 (-S1) A3ACPU	-							
	A3ACPUP21	1							
MELSEC-A series	A3ACPUR21	1	O *7	0	×	0	×	×	0
(AnCPU type)*10	A1NCPU A1NCPUP21	1							
	A1NCPUR21	1							
	A2NCPU (-S1) A2NCPUP21 (-S1)	1							
	A2NCPUR21 (-S1)	1							
	A3NCPU								
		-							
	A3NCPUP21								
	A3NCPUP21 A3NCPUR21 A2USCPU (-S1)								
	A3NCPUP21 A3NCPUR21 A2USCPU (-S1) A2USHCPU-S1								
	A3NCPUP21 A3NCPUR21 A2USCPU (-S1)								
MELSEC-A series (AnSCPU type) ^{®10}	A3NCPUP21 A3NCPUR21 A2USCPU (-S1) A2USHCPU-S1 A1SCPU A1SCPUC24-R2 A1SHCPU		* 7	0	×	0	×	×	0
MELSEC-A series (AnSCPU type) ^{#10}	A3NCPUP21 A3NCPUR21 A2USCPU (-S1) A2USHCPU-S1 A1SCPUC24-R2 A1SCPUC24-R2 A1SHCPU A2SCPU (-S1)	-	⊜*7	0	×	0	×	×	0
MELSEC-A series (AnSCPU type) ^{®10}	A3NCPUP21 A3NCPUR21 A2USCPU (-S1) A2USCPU (-S1) A1SCPUC24-R2 A1SCPUC24-R2 A1SHCPU A2SCPU (-S1) A2SHCPU (-S1) A1SJCPU (-S3)		○*7	0	×	0	×	×	0
MELSEC-A series (AnSCPU type) ^{\$10}	A3NCPUP21 A3NCPUR21 A2USCPU (-S1) A2USCPU (-S1) A1SCPU A1SCPUC24-R2 A1SHCPU A2SCPU (-S1) A2SHCPU (-S1) A1SJCPU (-S3) A1SJHCPU (-S3)		_₩7	0	×	0	×	×	0
MELSEC-A series (AnSCPU type) ^{¢10}	A3NCPUP21 A3NCPUR21 A2USCPU (-S1) A2USCPU (-S1) A1SCPUC24-R2 A1SCPUC24-R2 A1SHCPU A2SCPU (-S1) A2SHCPU (-S1) A1SJCPU (-S3)			0					0
MELSEC-A series (AnSCPU type) ^{€10}	A3NCPUP21 A3NCPUR21 A2USCPU (-S1) A2USHCPU-S1 A1SCPU A1SCPUC24-R2 A1SHCPU A2SCPU (-S1) A1SHCPU A2SHCPU (-S1) A1SJHCPU A0J2HCPUP21 A0J2HCPUP21		_ * 7 _ * 7	0	×	0	×	×	0
(AnSCPU type) ^{#10}	A3NCPUP21 A3NCPUP21 A2USCPU (-S1) A2USCPU (-S1) A2USHCPU-S1 A1SCPU A1SCPU A1SCPU A2SCPU (-S1) A2SHCPU (-S1) A1SJCPU A0J2HCPU A0J2HCPUP21 A0J2HCPUP21 A0J2HCPUP21			0					0
(AnSCPU type) ^{#10}	A3NCPUP21 A3NCPUR21 A2US6PU(-S1) A1SCPUC24-R2 A1SCPUC24-R2 A1SCPUC24-R2 A1SCPUC24-R2 A1SCPU(-S1) A2SCCPU(-S1) A1SJHCPU A012HCPU A012HCPUP21 A012HCPUP21 A012HCPUP21 A012HCPUP21			0 0 X					0 0 ×
(AnSCPU type) ^{#10}	ASNCPUP21 ASNCPUP21 A2USCPU-51 A2USCPU-51 A2USCPU-51 A1SCPU-51 A1SCPU-52 A1SCPU-52 A1SCPU-52 A1SCPU-53 A1SCPU-53 A1SCPU-53 A1SCPU-53 A02PHCPU-75 A02PHCPUP21 A02PHCPUP21 A02PHCPUP21 A2CCPUP21		O*7	0	×	×	×	×	0
(AnSCPU type) ^{#10}	ASNCPUP21 A2USCPU-251 A2USCPU-51 A2USCPU-51 A1SCPU-51 A1SCPU-51 A1SCPU-54 ASCPU-54 ASCPU-54 ASCPU-54 ASCPU-54 ASCPU-54 AUSHCPU-54 AUSHCPU-55 AU		O*7	0	×	×	×	×	0
(AnSCPU type) ^{#10}	ASNCPUP21 ASNCPUP21 A2USCPU-S1 A2USCPU-S1 A1SCPU-S1 A1SCPU-S4 A1SCPU-S4 A1SCPU-S4 A1SCPU-S4 A1SCPU-S3 A1SCPU-S3 A1SCPU-S3 A1SCPU-S3 A024CPUP21 A024CPUP21 A024CPUP21 A2CCPU-DC24 A2CCPU-S3		_*7 _*7	0 × 0 ×	× × × ×	× × ×	×	×××	0 × ×
(AnSCPU type) ^{#10}	ASNCPUP21 ASNCPUP21 A2USCPU-S1 A2USCPU-S1 A1SCPU-S1 A1SCPU-S1 A1SCPU-S1 A1SCPU-S1 ASCPU (S1) ASSCPU (S1) ASSCPU (S1) ASSCPU (S1) AUSHCPU AUSHCPU-S1 AUSHCPU- AUSHCPUP21 AUSHCPUP21 AUSHCPUP21 ACCPUP3 ACCP		_*7 _*7 _*7	0 × 0	×××××	× × ×	××××	××××	0 × ×
(AnSCPU type) ^{#10}	ASNCPUP21 ASNCPUP21 A2USCPU-(51) A2USNCPU-(51) A1SCPU-(51) A1SCPU-(52) A1SCPU-(52) A1SCPU-(52) A1SCPU-(53) A1SUFCPU-(53) A1SUFCPU-(53) A1SUFCPU-(53) A02PHCPU-(53) A1SUPCU-(53) A1SUPCU-(53) A02PHCPU-(53) A1SUPCU-(53) A1S		_*7 _*7 _*7	0 × 0 ×	× × × ×	× × ×	××××	××××	0 × ×
(AnSCPU type) ^{¢10} MELSEC-A series ^{\$10}	ASNCPUP21 ASNCPUP21 A2USCPU-S1 A2USCPU-S1 A1SCPU-S1 A1SCPU-S1 A1SCPU-S24-R2 A1SHCPU-S1 A3SCPU-S1 A3SCPU-S1 A3SCPU-S1 A3SCPU-S1 A02HCPU-S1 A02HCPU-D524 A02HCPU-D524 A02HCPU-D524 A02HCPU-D524 A3CCPU-D524 A3CCPU-D524 A3CCPU-D524 A3CCPU-S1		_*7 _*7 _*7 	0 × × ×	× × × ×	× × × ×	× × × ×	× × × ×	
(AnSCPU type) ⁴¹⁰ MELSEC-A series ⁹¹⁰	ASNCPUP21 ASNCPUP21 A2USCPU-51 A2USCPU-51 A1SCPU-51 A1SCPU-54 A1SCPU-54 A1SCPU-54 A1SCPU-54 A1SCPU-54 A1SCPU-54 A1SCPU-54 A1SUCPU-53 A1SUCPU-53 A02HCPU-524 A02HCPU-53 A02HCPU-53 A1SCCPU-5		_*7 _*7 _*7	0 × 0 ×	× × ×	× × ×	××××	××××	
(AnSCPU type) ^{¢10} MELSEC-A series ^{\$10}	ASNCPUP21 ASNCPUP21 A2USCPU-(S1) A2USCPU-(S1) A2USCPU-(S1) A1SCPU-24-R2 A1SCPU-24-R2 A1SCPU-24-R2 A1SCPU-24-R2 A1SCPU-(S1) A1SUFCPU-(S1) A1SUFCPU-(S1) A1SUFCPU-24-R2 A02RCPUP21 A02RCPUP21 A02RCPUP21 A2CCPUC24-PRF A2CCPUC4-PRF A2CC		_*7 _*7 _*7 	0 × × ×	× × × ×	× × × ×	× × × ×	× × × ×	
(AnSCPU type) ⁴¹⁰ MELSEC-A series ⁹¹⁰	ASNCPUP21 ASNCPUP21 A2USCPU-51 A2USCPU-51 A1SCPU-51 A1SCPU-54 A1SCPU-54 A1SCPU-54 A1SCPU-54 A1SCPU-54 A1SCPU-54 A1SCPU-54 A1SUCPU-54 A1SUCPU-54 A02HCPU-54 A02HCPU-54 A02HCPU-54 A02HCPU-54 A2CCPU-5		●*7 ●*7 ●*7 ●*7 ● *7	0 × × ×	× × × ×	× × × ×	× × × ×	× × × ×	
(AnSCPU type) ⁴¹⁰ MELSEC-A series ³¹⁰ Motion controller CPU (Q series)	ASNCPUP21 ASNCPUP21 A2USCPU-51 A2USCPU-51 A1SCPU-51 A1SCPU-51 A1SCPU-52 A1SCPU-52 A1SCPU-52 A1SCPU-52 A1SCPU-52 A1SCPU-53 A1SUPCU-53 A1SUPCU-53 A02HCPU-53 A02HCPU-53 A02HCPU-53 A1SCPU-53 A1SCPU-53 A1SCPU-53 A1SCCPU-53 A1		●*7 ●*7 ●*7 ●*7 ● *7	0 × × ×	× × × ×	× × × ×	× × × ×	× × × ×	0 × ×
(AnSCPU type) ^{#10} MELSEC-A series ^{#10} Motion controller CPU (Q series)	ASNCPUP21 ASNCPUP21 A2USCPU-(S1) A2USNCPU-(S1) A1SCPU-24-R2 A1SCPU-24-R2 A1SCPU-24-R2 A1SCPU-24-R2 A1SCPU-(S1) A1SU-PU-(S1) A1SU-PU-(S1) A1SU-PU-(S1) A1SU-PU-C24 A02PCPU-R21 A02PCPU-R21 A02PCPU-R21 A02PCPU-R21 A02PCPU-R21 A2CCPU-R2	-			× × × × ×	× × × × ×	× × × × ×	× × × × ×	
(AnSCPU type) ⁴¹⁰ MELSEC-A series ⁴¹⁰ Motion controller CPU (Q series) Motion controller CPU	ASNCPUP21 ASNCPUP21 A2USCPU-(S-1) A2USCPU-(S-1) A2USCPU-(S-1) A1SCPU- A1SCPU- A1SCPU- A2SCPU-(S-1) A1SCPU- A2SCPU-(S-1) A1SU-PU- A02HCPU- A02HCPU- A02HCPU- A02HCPU- A02HCPU- A02HCPU- A02HCPU- A02HCPU- A02HCPU- A02HCPU- A2C	-	●*7 ●*7 ●*7 ●*7 ● *7	0 × × ×	× × × ×	× × × ×	× × × ×	× × × ×	
(AnSCPU type) ^{e10} MELSEC-A series ^{®10} Motion controller CPU (Q series) Motion controller CPU (A series/large type)	ASNCPUP21 ASNCPUP21 AZUSCPU-R21 AZUSCPU-S1 AZUSCPU-S1 AZUSCPU-S1 AISCPU24-R2 AISCPU24-R2 AISCPU24-R2 AISCPU-(S1) AZSCPU-(S3) AISUACPU-(S3) AISUACPU-(S3) AISUACPU-C3 AU2HCPU-R21 AU2HCPU-R21 AU2HCPU-R21 AU2HCPU-R21 AU2HCPU-R21 AU2HCPU-R21 AU2HCPU-R21 AU2C	-	()¢7 ()¢7 ()¢7 () () () () () () () () () () () () ()		× × × × ×	× × × × ×	× × × × ×	× × × × ×	
(AnSCPU type) ^{#10} MELSEC-A series ^{#10} Motion controller CPU (Q series) Motion controller CPU (A series/large type) Motion	ASNCPUP21 ASNCPUP21 A2USCPU-(S1) A2USCPU-(S1) A2USCPU-(S1) A1SCPU-24-R2 A1SCPU-24-R2 A1SCPU-24-R2 A1SCPU-(S1) A1SCPU-(S1) A1SLPCPU-(S1) A1SLPCPU-(S1) A1SLPCPU-(S1) A1SLPCPU-24-R2 A02PRCPU-R21 A02PRCPU-R21 A02PRCPU-R21 A02PRCPU-R21 A02PRCPU-R21 A2CCPUC24-PRF A2CCPUC4-PRF A2CCPU	-			× × × × × ×	× × × × ×			
(AnSCPU type) ^{e10} MELSEC-A series ^{®10} Motion controller CPU (Q series) Motion controller CPU (A series/large type)	ASNCPUP21 ASNCPUP21 A2USCPU-(S1) A2USNCPU-(S1) A2USNCPU-(S1) A1SCPU-(S2) A1SCPU-(S2) A1SCPU-(S2) A1SCPU-(S1) A1SCPU-(S1) A1SU-PU-(S1) A1SU-PU-(S1) A1SU-PU-(S1) A02PHCPU-(S1) A02PHCPU-(S1) A02PHCPU-(S1) A02PHCPU-(S1) A02PHCPU-(S1) A02PHCPU-(S1) A02PHCPU-(S1) A1SCPU-(S2) A1FXCPU-(S1) A17SCPU-(S1) A17SCPU-(S3) A17TSCPU-(S1) A17TSCPU-(S1) A		()¢7 ()¢7 ()¢7 () () () () () () () () () () () () ()		× × × × × ×	× × × × ×			
(AnSCPU type) ^{e10} MELSEC-A series ^{#10} Motion controller CPU (Q series) Motion controller CPU (A series/large type) Motion controller CPU (A series/large type)	ASNCPUP21 ASNCPUP21 AZUSCPU-CI-S1 AZUSCPU-CI-S1 AZUSCPU-CI-S1 AZUSCPU-CI-S1 AZUSCPU-CI-S1 AZUSCPU-CI-S1 ASCPU-CI-S1 ASCPU-CI-S1 ASCPU-CI-S1 ASCPU-CI-S1 ADZHCPU-CI-S1 ADZHCPU-CI-S1 ADZHCPU-CI-S1 ADZHCPU-CI-S1 ADZHCPU-CI-S1 ADZHCPU-CI-S1 ADZHCPU-CI-S1 ADZHCPU-CI-S1 ADZCPU-CI-S1 A		()¢7 ()¢7 ()¢7 () () () () () () () () () () () () ()			× × × × ×		× × × × ×	
(AnSCPU type) ^{e10} MELSEC-A series ^{#10} Motion controller CPU (Q series) Motion controller CPU (A series/large type) Motion controller CPU (A series/large type)	ASNCPUP21 ASNCPUP21 A2USCPU-(S1) A2USNCPU-(S1) A2USNCPU-(S1) A1SCPU-(S2) A1SCPU-(S2) A1SCPU-(S2) A1SCPU-(S1) A1SCPU-(S1) A1SU-PU-(S1) A1SU-PU-(S1) A1SU-PU-(S1) A02PHCPU-(S1) A02PHCPU-(S1) A02PHCPU-(S1) A02PHCPU-(S1) A02PHCPU-(S1) A02PHCPU-(S1) A02PHCPU-(S1) A1SCPU-(S2) A1FXCPU-(S1) A17SCPU-(S1) A17SCPU-(S3) A17TSCPU-(S1) A17TSCPU-(S1) A	US8 conner US8 conner				× × × × ×		× × × × ×	
(AnSCPU type) ^{#10} MELSEC-A series ^{#10} Motion controller CPU (Q series/large type) Motion controller CPU (A series/large type) Motion controller CPU (A series/large type) Motion controller CPU (A series/large type) MELSEC-FX	ASNCPUP21 ASNCPUP21 A2USCPU-CI-S1 A2USCPU-CI-S1 A2USCPU-CI-S1 A1SCPU-C24-R2 A1SCPUC24-R2 A1SCPCU-C31 A1SCPU-C34-R2 A1SCPU-C31 A1SLPCPU-C31 A1SLPCPU-C31 A1SLPCPU-C31 A02PRCPU-D24 A02PRCPU-D24 A02PRCPUP21 A02PRCPU-D24 A02PRCPUP21 A02PRCPU-D24 A2CCPUC24-PRF A2CCPUC4-PRF A2CCPUC4-PR	US8 conner US8 conner	()¢7 ()¢7 ()¢7 () () () () () () () () () () () () ()			× × × × ×	× × × × ×		
(AnSCPU type) ^{e10} MELSEC-A series ^{#10} Motion controller CPU (Q series) Motion controller CPU (A series/large type) Motion (A series/small type)	ASINCPUP21 ASINCPUP21 A2USCPU-(S-1) A2USCPU-(S-1) A1SCPU-24-R2 A1SCPU-24-R2 A1SCPU-24-R2 A1SCPU-(S-1) A2SCPU-(S-1) A1SU-PU-(S-1) A1SU-PU-(S-1) A02R-CPU-24 A02R-CPU-24 A02R-CPU-24 A02R-CPU-24 A02R-CPU-24 A02R-CPU-24 A02R-CPU-24 A02R-CPU-24 A02R-CPU-24 A02R-CPU-24 A02	US8 conner US8 conner				× × × × ×		× × × × ×	
(AnSCPU type) ^{#10} MELSEC-A series ^{#10} Motion controller CPU (Q series/large type) Motion controller CPU (A series/large type) Motion controller CPU (A series/large type) Motion controller CPU (A series/large type) MELSEC-FX	ASINCPUP21 ASINCPUP21 A2USCPUP21 A2USCPUP21 A1SCPU231 A1SCPU234R2 A1SCPU234R2 A1SCPU234R2 A1SCPU234R2 A1SCPU234R2 A1SCPU234 A1SUACPU A0284CPU233 A1SUACPU A0284CPU23 A0284CPU234 A0284CPU234 A0284CPU234 A0284CPU234 A0284CPU234 A2CCPU234 A	US8 conner US8 conner				× × × × ×	× × × × ×		
(AnSCPU type) ^{#10} MELSEC-A series ^{#10} Motion controller CPU (Q series) Motion controller CPU (A series/arge type) Motion controller CPU ^{#10} (A series/small type) MELSEC-FX series	ASNCPUP21 ASNCPUP21 A2USCPUP21 A2USCPU-51 A2USCPU-51 A1SCPU-51 A1SCPU-51 A1SCPU-51 A1SCPU-524-72 A1SCPU-51 A1SCPU-51 A1SCPU-51 A1SCPU-51 A1SCPU-51 A02P4CPU-51 A02P4CPU-51 A02P4CPU-72 A02P4CPU-72 A02P4CPU-72 A02P4CPU-72 A02P4CPU-72 A02P4CPU-72 A02P4CPU-72 A02CPU-72 A02CPU-72 A2CCPU-72 A								
(AnSCPU type) ^{#10} MELSEC-A series ^{#10} Motion controller CPU (Q series/large type) Motion controller CPU (A series/large type) Motion controller CPU (A series/large type) Motion controller CPU (A series/large type) MELSEC-FX	ASINCPUP21 ASINCPUP21 A2USCPU-(S-1) A2USCPU-(S-1) A2USCPU-(S-1) A1SCPU224-R2 A1SCPU24-R2 A1SCPU24-R2 A1SCPU-(S-1) A2SCPU-(S-1) A1SU-PU-(S-1) A1SU-PU-(S-1) A02HCPU-(S-1) A02HCPU-PU A1740HCPU-S1 A73UHCPU-S1 A1715HCPU-(S-1) A173UHCPU-S1 A174UHCPU-S1 A174UHCPU-S1 A174UHCPU-S1 A174UHCPU-S1 A17	US8 conner US8 conner				× × × × ×	× × × × ×		
(AnSCPU type) ⁴¹⁰ MELSEC-A series ⁴¹⁰ Motion controller CPU (A series/large type) Motion (A series/small type) MELSEC-FX series MELSECNET/H	ASNCPUP21 ASNCPUP21 A2USCPUP21 A2USCPU-51 A2USCPU-51 A1SCPU-51 A1SCPU-51 A1SCPU-51 A1SCPU-524-72 A1SCPU-51 A1SCPU-51 A1SCPU-51 A1SCPU-51 A1SCPU-51 A02P4CPU-51 A02P4CPU-51 A02P4CPU-72 A02P4CPU-72 A02P4CPU-72 A02P4CPU-72 A02P4CPU-72 A02P4CPU-72 A02P4CPU-72 A02CPU-72 A02CPU-72 A2CCPU-72 A								

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)
MELSEC-QnA series	AJ71QC24(-R2)/AJ71QC24N(-R2)/
MELSEC-QIA series	A1SJ71QC24(-R2)/A1SJ71QC24N(-R2)
MELSEC-A series	AJ71C24-S8/AJ71UC24/A1SJ71C24-R2/A1SJ71UC24-R2

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. Q60BD-J71BR11 (coaxial loop), Q60BD-J71LP21(S)-25 (optical loop), Q60BD-J71LP21G (optical loop), and Q81BD-J71LP2-25 (optical loop).

For CC-Link IE Controller Network connection

Use a network unit applicable to the network board used for GT SoftGOT1000. The network boards that can be used with GT SoftGOT1000 are shown on the right. Q80BD-J71GP21(S)-SX and Q81BD-J71GP21(S)-SX (optical loop)

For CC-Link IE Field Network connection
Use a network unit aplicable to the network board used for GT SoftGOT1000. The network boards that can be used with
 GT SoftGOT1000 are shown on the right. Q81BD-J71GF11-T2

For Ethernet connection

CPU series	Ethernet module
MELSEC-Q series (Q mode)/MELSEC-QS series	QJ71E71-100/QJ71E71-B5/QJ71E71-B2/QJ71E71
	AJ71QE71N3-T/AJ71QE71N-B5/AJ71QE71N-B2/AJ71QE71N-T/
MELSEC-QnA series	AJ71QE71N-B5T/AJ71QE71/AJ71QE71-B5/A1SJ71QE71N3-T/
	A1SJ71QE71N-B5/A1SJ71QE71N-B2/A1SJ71QE71N-T/
	A1SJ71QE71N-B5T/A1SJ71QE71-B5/A1SJ71QE71-B2
MELSEC-Q series (A mode)/	AJ71E71N3-T/AJ71E71N-B5/AJ71E71N-B2/AJ71E71N-T/
MELSEC-A series/	AJ71E71N-B5T/AJ71E71-S3/A1SJ71E71N3-T/A1SJ71E71N-B5/
Motion controller CPU (A series)*	A1SJ71E71N-B2/A1SJ71E71N-T/A1SJ71E71N-B5T/
Motion controller CFO (A series)	A1SJ71E71-B5-S3/A1SJ71E71-B2-S3
MELSEC-FX series	FX3U-ENET (-L)

*: Only the device ranges within AnACPU specifications are supported.

Third party PLCs

	acturer	Model name	Connect	tion configuration	
Manu	acturer		CPU direct connection (RS-232)	Computer link (RS-232)	Ethernet
	Micro PLC	CPM2A	0	—	_
		C200HX CQM1			
		C200HG CQM1H			
		CS1H CJ1G	1		
OMRON	Small-size	CS1G CJ1M	0	_	
OWHON	PLC	CS1D CJ2H			○*18
		CJ1H			
		CJ2M	O*17		
		CP1E (N type)	0		_
	Large-size	CV500 CV2000	0	_	_
	PLC	CV1000 CVM1	U U		
TOSHIBA	Unified controller nv series	PU811	×	×	0
		GL120	- 0	×	
		GL130	0	~	
		GL60S			1
		GL60H	×	0	×
		GL70H			
		CP-9200SH	×	0]
Yaskawa E	loctric	CP-9300MS		×	
Taskawa L	locure	MP920		0	0
		MP930			
		MP940		×	×
		PROGIC-8			
		CP-9200 (H)			
		MP2200	×	0	0
		MP2300 (S)	~	0	0
		F3SP05 F3SP38			
		F3SP08 F3SP53			
		F3FP36 F3SP58			
Yokogawa	Electric	F3SP21 F3SP59		_	0
		F3SP25 F3SP66			
		F3SP35 F3SP67			
		F3SP28			
Siemens A	G	SIMATEC S7-300 series	×	×	0
		SIMATEC S7-400 series			I ~

Modules usable when connected with PLCs made by the OMRON Corporation -For Ethernet connection

Ethernet unit CS1W-ETN21, CS1D-ETN21D, CJ1W-ETN21 Modules usable when connected with PLCs made by the 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

Communication module 218IF, 218IF-01

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

Ethernet interface module

[CNCs] Mitsubishi CNCs

				Connect	tion configura	tion		
Series	Model name	CPU direct connection		MELSECNET/ H ^{\$1}	MELSECNET/ 10*2	CC-Link IE Controller Network	CC-Link IE Field Network	Ethernet
CNC C70	Q173NCCPU	0*11	0	0	0	0	0	0
MELDAS C6/C64	FCA C6 FCA C64	0*9	×	×	×	×	×	0*9

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

> **CPU** series MELDAS C6/C64

Ethernet module FCU6-EX875

F3LE01-5T, F3LE11-0T, F3LE12-0T

Robot] Mitsubishi Industrial Robots												
			Connect	tion configura	tion							
Controller name	CPU direct connection		MELSECNET/ H ^{#1}		CC-Link IE Controller Network	CC-Link IE Field Network	Ethernet					
CRnQ-700	0*11	0	0	0	0	0	0*19					
CRnD-700	\times	\times	×	×	\sim	\times	0					
with Composition configuration for potwork t		CNET	made and MEL	OF CHIET (1) and								

Connection configuration for network type MELSECNET/H mode and MELSECNET/H extension mode (PC-to-PC net).
 Connection configuration for network type MELSECNET/10 mode (PC-to-PC net).
 Connection configuration for network type MELSECNET/10 mode (PC-to-PC net).
 Control process provide the mode is explored from MELSECNET/10 (PC-to-PC net)).
 Control type construction of the mode is explored from MELSECNET/10 (PC-to-PC net)).
 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.
 Use the function of the series or an Ethernet module with OnACPU, GT SoftGOT1000 cannot monitor the module.
 Use the function of the series or an ethernet module with OnACPU, GT SoftGOT1000 cannot monitor the module.
 Use the function of the series of the series of the MELSECNET/H board.
 Control Learlier versions or later can be used to write data to the Ant/CPU(S1), A2SCPU, A02HCPU and A2CCPU. Unstain the relater duration ther later for a CPU without link + A02FCPU. Version E or later - A02EFCPU-VCPU-SC2: Version E

: When connected with GT SoftGOT1000, the CPUs cannot be connected simultaneously with other MELSOFT prod (GX Developer, etc.). : Use a MELDAS C6/C64 of the following NC system software version. • NC system software version D or later 0: Computer link onlt software version U or later must be used for the A2SCPU, A2SHCPU, A1SHCPU, A1SJHCPU, A0J2HCPU, A171SHCPU and A172SHCPU computer link connection. • A0J2HCPU, A171SHCPU and A172SHCPU computer link connection. • A0J2HCPU, A171SHCPU and A172SHCPU be performed via USB or RS-232 of QCPU in the multi-CPU system. • Accessing 0173NCCPU, CRnC-700 must be performed via USB or RS-232 of QCPU in the multi-CPU system. • Soft be PLC unit (No.1) of 0170MCPU can be connected. The peripheral *VF* cannot be used. • For connection through RS-232, L6ADP-R2 is required. *9

*14: For connection through HS-232, USAUP-H2 is required.
*15: Host station monitoring is not possible.
*16: Use a CPU with the first 5 digits of the serial No. are 12042 or higher.
*17: Only the C2UM-CPUI and be connected.
*18: Not applicable to duplex Ethernet
*19: The CRn-2700's DISP UF cannot be used. Access the controller via the Ethernet module or the Ethernet port of the QCPU of a multi-CPU system.

[MODBUS[®] devices]

Connection to all MODBUS®/TCP slave devices is possible by using the MODBUS/TCP communication driver. For details regarding operation-verified MODBUS® devices, refer to Technical Bulletin No. GOT-A-0037 (List of Valid Devices Applicable for GOT1000 Series MODBUS® Connection).

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Spe Extern

List of Connectable Models, etc.

Function list

Norm Norm Norm Norm N	GT16	GT15 GT14 GT12 GT SoftGOT	\$									Model		GT11 GT10
	ategory	and the second s	ces ils page	-XTB	-STB	-STB	GT1675M GT167 -VTB -VNB	GT1665M	-VTB	-VNB	-VTBD	GT1665 HS-VTBD	-XTB	5 GT 555 GT 575 GT 575 GT 575 GT 575 GT 575 GT 565 GT 565 GT 555 GT 1455 GT 1275 GT 1265 GT 1265 GT 1265 GT 1265 GT 1265 GT 1275 GT 1265 GT 1
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		Mitsubishi PLC CPU direct connection Mitsubishi PLC computer link connection				•				•	•		•	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
		Mitsubishi PLC MELSECNET/10 connection		•	•	•	•	•	•	•	•	-	•	
	ation	Mitsubishi PLC CC-Link IE Field Network connection		•	•	•	•	•	•	•	•	-	•	
	nfigui		P.65		-	-		-	-			Via G4 only		Via G4 only
	on co	Third party PLC connection			-	-			-	-	-	_	-	
	mecti	MODBUS [®] /RTU connection							_	-	-	-	-	
	Cor				-	-			-	-	-	-	-	
		CNC connection			-	-		-	-	-	-	-	-	
		GOT multi-drop connection *10	P.49	_	-									
Image: state Image: state <td< td=""><td>ory</td><td>Standard memory capacity</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>9MB</td><td>9MB 9MB 9MB 5MB 9MB 5MB 9MB 5MB 9MB 5MB 9MB 5MB 9MB 6MB 6MB 57MB 9MB 3MB 3MB 3MB 3MB 3MB 3MB 3MB 1.5MB 512KB</td></td<>	ory	Standard memory capacity											9MB	9MB 9MB 9MB 5MB 9MB 5MB 9MB 5MB 9MB 5MB 9MB 5MB 9MB 6MB 6MB 57MB 9MB 3MB 3MB 3MB 3MB 3MB 3MB 3MB 1.5MB 512KB
Norm	Meme		·											57MB 57MB 57MB 53MB 57MB 53MB 57MB 53MB 57MB
Mark		65,536 colors		•	•	•		-	•	-	•	•	•	LIBD only 100 graduate and a second s
	Ś	4,096 colors		-	-	-	- GT1675- VNB _ on	- —	-	-	-	-	-	QSBD only
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	isplay		_	-	-	-	- GT1672- VNB_ on	- —	-	•	-	_	-	VNB_ only 0
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Vert Vert Vert Vert V		Video input / BGB input / BGB output	GB P 32							-	-	_		
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SoftGOT-GOT link function Pagind P.27, 34 •	lain u	Gateway function Required USB memory <gt16 gt14="" or<="" td=""><td>ory P.35 only>)</td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td>•</td><td>-</td><td></td></gt16>	ory P.35 only>)						-			•	-	
	2	SoftGOT-GOT link function Required	P.27, 34		•	•	•	•	•	•	•		•	• • • • • - - • P27,34 • • • • • •
				• •	-	•					•	•	•	*5 : The RS-232 Interface can be used as an RS-422 interface by connecting an RS-422 conversion unit.

*1 : The function details, such as the number of settings and the data strage destination, vary depending on the model.
 *2 : An optional function board is required to use the functions that are indicated as "Required" in the "Optional function board" column. Some other optional functions may require the optional function board depending on the GOT function version and hardware version. The extension/optional function OS must be installed to use the functions that are indicated as "Required" in the "Extended/optional function OS installation" column. A memory card or optional function board may be required when the extension/optional function OS is installed. Check the size of the data stored in the GOT. For more details, see "Optional function board, memory card (CF card, SD card), and USB memory selection <GT16/GT15/GT14/GT12/GT11> (page 82 to page 83). The GT14 and GT12 do not require the optional function Dost. The GT14 and GT12 do not require the optional function OS.
 *3 : Necessary optional units, memory cards, and USB memory devices other than the optional function board are shown. Parenthesized devices will be required depending on conditions of use. For details, see "Notes for use" (page 81 to name 80)

*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.
*7 : Only user alarms can be used.
*8 : To use the historical data list display and the historical trend graph, it is necessary to specify the logging function in advance. In addition, it is necessary to install the optional function OS (logging).
*9 : Read from the PLC clock.
*10: Different connection configurations may require different communication units. For details, see the GOT1000 Series Handbook and the GOT1000 Series Connection Manual.
*11: For the compatible hardware versions, please contact your local sales office.
*12: Only CPU direct connection are supported.
*13: Only the FTP server function is supported.
*14: When GT14, GT12, GT11 and GT10 are intermingled, the multiple connection function is not supported.

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Function list

GT16	GT15	T14 GT12 G	iT So	ftGOT	2											Mode	ol										G	T11 GT10				Model			i
egory		Function*1	I functio	on kunctio on k sary s	s bage						/ GT167		/ GT1665/			5 GT16	65 GT15		GT1585(V) G1	GT15 11575(V) GT1	575 GT1	57 GT1565	GT1562	GT155	GT14 GT145 GT	GT12 G 275 GT1265 Soft B -VNB 10	L function	kional functio on <u>*</u> sary *	e GT115	GT11	5 GT115	GT105	GT10 GT104	GT1030 GT1020	
Cat			Optiona board	Distallati Other Decess	Details	X	KGA	-STB SVGA 12.1"	-STB SVGA 10.4"	-VTB VGA 10.4"	-VNB VGA 10.4"	-STB SVGA 8.4"	VGA	VGA	VGA	VGA		<u></u>	12.1"	10.4" 10	4" 10	4" 8.4"	8.4"	5.7"	5.7" 10	4" 8.4" Vers	ion3 🔤	board Extended/op OS installati Other necess device	QUGA QVGA 5.7"	QVGA	A QVGA*	¥4 QVGA	QVGA	HB_(W)(2) -LB_(W)(2) 4.5" 3.7"	
	Base screen, v Dialog window	display			P.3	37	•	•	•	•		•	•	•		- Č				• •									P.37			-	-	• • 	
	Graphic	BMP image display JPEG image display DXF data					•	•	•										•	•				•					-	-	-	-	- -	• • 	Z
s		IGES data Isse, Japanese (supporting European languages),					•	•	•			•		•										•					•				—		DEX
cification	Chi	Chinese (Simplified), tese (Simplified, supporting European languages), tese (Traditional, supporting European languages))					•	•	•	•	•	•	•	•	•	•	•		•	•		•	•	•	•				•	•	•	•	•	• •	
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Con	Security function	Security level authentication Operator authentication	+ +	equired (Memory ca USB memory <gt16 only<="" td=""><td>ard/ prv P.4</td><td></td><td>•</td><td>•</td><td>•</td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td>•</td><td></td><td>•</td><td>• •</td><td></td><td></td><td>•</td><td>•</td><td>• (</td><td> (</td><td></td><td></td><td>P.41 –</td><td>-</td><td>-</td><td>-</td><td>• -</td><td>• • </td><td>tions</td></gt16>	ard/ prv P.4		•	•	•				•				•		•	• •			•	•	• ((P.41 –	-	-	-	• -	• • 	tions
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	Data list displa Historical data	y list display <mark>∗8</mark>	Re	quired ^{\$8}	P.4		•	•	•	•							•			•		-		•	•				P.40 -	-	-	-	-		P
	ASCII display/i Kana-Kanji	Normal version		equired			-	-	_	-	-	-	-	-	-	-	•		-	-		-	•	•	• •				-	-	-		• -	• • 	erso
ssign	conversion functio Clock display		R	equired			•	•	•	•	Ĭ		, i	•	•	Ŏ	•		•			Ó		•					-				-		inne
en de ngs	Comment disp	ay n observation/display		(Memory ca			•	•	•	•	•		•	•		•	•		•				•	•					P.43 -		•	•		• •	
Scre t setti	Alarm display			(Battery	/)	-	•	•	•	•	•	•	•	•	•	-	•			•			•	•	•				•					• *7 • *7	
bject	Alarm history of Floating alarm			(Memory ca			-	-	-	-	-	-	-	-	-	-	-		-			· ·	-	-	• •			(Memory card)	•						
0	Parts display Parts moveme	nt		(Memory ca (Memory ca			•	•	•								•			•)					—		• • 	L G
	Panel meter di Level display						•	•	•	•	•			•		-	•		•				•	•					•			-	• -	• •	. 0
	Trend graph/Line	raph/Bar graph/Statistical graph graph*8	Re	quired ^{*8}	P.4		•	•	•											•		-	•	•					P.40 -	-	-	-	-	• • 	
	Scatter graph Status observa						•	•	•								•			•				•							•		•	 • •	
	Advanced reci Recipe function			equired (Memory ca equired (Memory ca	urd)		•	•											-					•				Required	P.37 -	•	•	•	•	 • •	ō
	Report function		R	equired (Printer uni (Memory ca	ird)		•	•	•	•	•	•	•	•	•	-	•		-	• •			•	•		(-	-	-				Plat
	Hardcopy function	File saving in memory card Printing on printer	R	Memory ca equired (Printer uni	it)		•	•	•								•		•	• •					• •	(-	-			-	 •	forn
	Barcode functi RFID function	ิท	R	equired equired	P.3			•	•								•											Required Required	P.33			-	• -	• • 	. []
	Multimedia fun		R	equired Multimedia u Memory ca	rd P.3		•	•	•	•	-	•	•	-	-	-			-			· _	-	-			·		P.32 —	-	-	-	-		
		computer function (Ethernet) al computer function (serial)		equired License	B P 3		•	•	•	•		•			-					•			-	_					P.34 –			_	_		roce
thers	VNC [®] server fr	inction	R	equired input un equired License	e P.3	34	•	•	•			•		•			-						-	-					P.34 —	-	-				SS(
0	Operation pan Operation log			equired External inp output unit equired Memory ca			•	•	•	•				•			•		•				•	•		(P.41 –	-	-				Cont
	Document disp	lay function	Required*2 (GT15 only)	equired Memory ca		33	•	•	•	•	•	•	•	•	•	•	•		•	•			•	•		()		P.33 –	-	-				
	Logging function	n	R	equired (Memory ca (Battery)	P.4	40	•	•	•	•	•	•	•	•	•	•	•		•	• •		•	•	•	• •		•		P.40 –	-	-		-		
	Log viewer fun			equired (Memory ca USB memo	ard/ pry) P.4		•	•	•	•	•	•	•	•	•	•	-		-			-	-	-					P.40 –	-	-		-		terna
	Script function	Object script	t R	equired	P.3	37	•	•	•				•			•	•			•					•	()		P.37 -	-	-	—			Din
	Device data tra	function		equired	P.3		-	-		-	-	-	-	-	-	_	-		-				-	-				Damin I	P.33 -	-	-			• •	Tens
	System monito			equired equired	P.4		•	•	•	•	•	•	•		•	•	•						•	•				Required Required	P.46	GT115 Q_BDA (-	-			ions
	List editor for F		R	equired	P.4	+/	•	•	•															-		-		Required	P.47			•	•		
	SFC monitor fu	nction	Required*2 (GT15 only)	equired Memory ca	ard P.4	14	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•	GT1555- VTBD only					P.44 –	-	-		-		Mo
tions	Motion SFC m	onitor function	Required*2 (GT15 only)	equired Memory ca	ard P.4	45	•	•	•	•	•	•	•	•	•	•	•		•	• •		•	•	GT1555- VTBD only					P.45 -	-	-		-		Models, etc.
funct	Ladder editor f	unction		equired Memory ca	_		•	•	•	•	•	•	•	•	-	•	•		•	•		•	•	-					P.45 —	-	-		-		etc.
ance	Ladder monito			equired (Memory ca			•	•	•	•	•	•	•	•	•	•				•			•	GT1555- VTBD only					P.44 –	-	-				
nten	Q motion moni		R	equired equired	P.4	17		•								Ó	•			•			•	•					P.46 – P.47 –	-	-				-
Mai	Network monit		R	equired equired	P.4	16		•					_			-	•			•			•	•					P.46 —	-					(
	CNC monitor f	Inction t/output function	R	equired equired Memory card/ U memory <gt16 o<="" td=""><td></td><td>17</td><td>•</td><td>•</td><td>•</td><td>-</td><td>-</td><td>•</td><td></td><td>-</td><td>-</td><td>-</td><td>•</td><td></td><td></td><td>• -</td><td></td><td></td><td>-</td><td>-</td><td>_</td><td></td><td></td><td></td><td>P.47 _</td><td>-</td><td></td><td></td><td></td><td></td><td></td></gt16>		17	•	•	•	-	-	•		-	-	-	•			• -			-	-	_				P.47 _	-					
	Backup/restora	· .	R	Memory card' USB me		_	•	•	•	•	•		•	•	•	•	•			-			•	•	•				P.42 —						1
	MELSEC-L tro	ubleshooting function		equired	P.4	46	•	•	•				•				-		-				-	-					P.46 -	-					r
*1 : The f		me notification function h as the number of settings a	and the da	Battery ata storage des				the model														ed as an RS-42							P.38 —	-	-		-		

 Maintenance time notification function
 Eatiery
 P-.38

 *11 The function details, such as the number of settings and the data storage destination, vary depending on the model.
 *2

 *2: An optional function board is required to use the functions that are indicated as "Required" in the 'Optional function board" column. Some other optional functions may require the optional function board depending on the GOT function version and hardware version.

 The extension/optional function OS must be installed to use the functions that are indicated as "Required" in the 'Extended/optional function OS installation" column. A memory card or optional function board may be required when the extension/optional function DS is installed.

 Check the size of the data storage in the GOT. For more details, see "Optional function board (FC card, SD card), and USB memory selection <GT16/GT15/GT14/GT12/CT115 (page 82 to page 83).</td>

 The GT14 and GT12 do not require the optional function board. The GT10 and GT SoftGOT1000 do not require the optional function OS.

 *3: Necessary optional units, memory cards, and USB memory devices other than the optional function board are shown. Parenthesized devices will be required depending on conditions of use. For details, see "Notes for use" (page 81 to page 66).

 *4
 : For details, see "GT10" (page 48), "Handy GOT" (page 25) and "GT SoftGOT1000" (page 26).

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*5 The R5-232 Interface can be used as an R5-422 interface by connecting an R5-422 conversion unit.
*6 The R5-232 Interface can be used.
*7 Only user alarms can be used.
*8 To use the historical data list display and the historical trend graph, it is necessary to specify the logging function in advance. In addition, it is necessary to install the optional function OS (logging).
*9 Read from the PLC clock.
*10 Different connection configurations may require different communication units. For details, see the GOT1000 Series Handbook and the GOT1000 Series Connection Manual.
*11 For the compatible hardware versions, please contact your local sales office.
*12 Only CPU direct connection and Ethernet connection are supported.
*13 Only the FTP server function is supported.
*14 When GT14, GT12, GT11 and GT10 are intermingled, the multiple connection function is not supported.

Main unit model name GT16 9 5 M - X T B A Code Screen size Code Display colors Code Mounting type Code Display colors T Tr color X (1024 × 768 dots) T (high brightness, wide viewing angle) N TFT color N TFT color N TFT color N TFT color S STN color N (640 × 480 dots) N TFT color S STN monochrome <th Code Power supply Code Communication interface Q⁴¹ With built-in bus connection interface for OCPU (Q mode)motion controller CPU (Q series) A*1 With built-in bus connection interface for QnA/ACPU/motion controller CPU (A series) E⁴² With built-in Ethermet 2*3 With built-in RS-232 With built-in SP 422 A 100 to 240VAC D 24VDC SVGA vide viewing angle) V VGA N V VGA S V VGA S V (640 × 480 dots) B Q Q OVGA L 5VDC M multimedia & Video/RGB V VGA V (640 × 480 dots) Q QVGA (320 × 240 dots) B (blue/white) L STN monochrome 4.5" 3.7" None*3 With built-in RS-422 *1 : GT115 Q BDQ and GT115 Q BDA only *2 : GT145 Q BDE only *3 : GT10 only High performance models with multimedia and a host of features and functions Performance models ideal for a wide range of applications in a network or standalone environment STN monochrome H (White/black, high contrast) GT16 network or standalone environment Standard model with advanced features and communication interfaces Code Main unit frame Code GT10 backlight GT14 GT12 GT11 GT10 Black W White backlight White None Green backlight B W Large basic models with integrated features and communication interfaces Small models with a host of advanced functions Compact models with basic functions * 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

GUI	main t		Screen size		Display colors	Power	Memory	
	Мос	lel name	[resolution]	Display	(number of colors)	supply	size	Remarks
	GT1695	GT1695M-XTBA	15" XGA	TFT color LCD	65,536 colors	100-240VAC	15MB	Compatible with
	arrooo	GT1695M-XTBD	[1024 × 768 dots]	(high brightness, wide viewing angle)		24VDC	TOINE	multimedia & Video/RGB
	GT1685	GT1685M-STBA	12.1" SVGA	TFT color LCD	65,536 colors	100-240VAC	15MB	Compatible with
		GT1685M-STBD	[800 × 600 dots]	(high brightness, wide viewing angle)		24VDC		multimedia & Video/RGB
		GT1675M-STBA	10.4" SVGA	TFT color LCD	65,536 colors	100-240VAC	15MB	Compatible with
		GT1675M-STBD	[800 × 600 dots]	(high brightness, wide viewing angle)		24VDC 100-240VAC		multimedia & Video/RGB
		GT1675M-VTBA		TFT color LCD	65,536 colors	24VDC	15MB	Compatible with
	GT167	GT1675M-VTBD GT1675-VNBA*1	10.4" VGA	(high brightness, wide viewing angle)		100-240VAC		multimedia & Video/RGB
GT16		GT1675-VNBA**	[640 × 480 dots]	TFT color LCD	4,096 colors	24VDC	11MB	-
arro		GT1672-VNBA*1				100-240VAC		
		GT1672-VNBD*1		TFT color LCD	16 colors	24VDC	11MB	-
		GT1665M-STBA	8.4" SVGA	TFT color LCD	05 500 1	100-240VAC		Compatible with
		GT1665M-STBD	[800 × 600 dots]	(high brightness, wide viewing angle)	65,536 colors	24VDC	15MB	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)	05,550 001015	24VDC	IJIVID	multimedia & Video/RGB
		GT1662-VNBA*1	[640 × 480 dots]	TFT color LCD	16 colors	100-240VAC	11MB	_
		GT1662-VNBD*1				24VDC		
	GT1655	GT1655-VTBD*1	5.7" VGA [640 × 480 dots]	TFT color LCD (high brightness, wide viewing angle)	65,536 colors	24VDC	15MB	-
	Handy GOT	GT1665HS-VTBD*1	6.5" VGA [640 × 480 dots]	TFT color LCD (high brightness, wide viewing angle)	65,536 colors	24VDC	15MB	_
	GT1595	GT1595-XTBA GT1595-XTBD	15" XGA	TFT color LCD (high brightness, wide viewing angle)	65,536 colors	100-240VAC 24VDC	9MB	_
		GT1585V-STBA	[1024 × 768 dots]	TFT color LCD		100-240VAC		Compatible with
		GT1585V-STBD	12.1" SVGA	(high brightness, wide viewing angle)		24VDC	-	Video/RGB
	GT1585	GT1585-STBA	[800 × 600 dots]	TFT color LCD	65,536 colors	100-240VAC	9MB	Video/ritab
		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)	CE EOC colore	24VDC	9MB	Video/RGB
		GT1575-STBA	[800 × 600 dots]	TFT color LCD	65,536 colors	100-240VAC	SIVID	
		GT1575-STBD	800 × 600 dots]	(high brightness, wide viewing angle)		24VDC		
	GT157	GT1575-VTBA		TFT color LCD	65,536 colors	100-240VAC	9MB	
GT15		GT1575-VTBD		(high brightness, wide viewing angle)		24VDC		_
		GT1575-VNBA	10.4" VGA	TFT color LCD	256 colors	100-240VAC	5MB	
		GT1575-VNBD GT1572-VNBA	[640 × 480 dots]			24VDC		
		GT1572-VNBA GT1572-VNBD		TFT color LCD	16 colors	100-240VAC 24VDC	5MB	
		GT1565-VTBA		TFT color LCD		100-240VAC		
		GT1565-VTBD	8.4" VGA	(high brightness, wide viewing angle)	65,536 colors	24VDC	9MB	
	GT156	GT1562-VNBA	[640 × 480 dots]		10	100-240VAC		_
		GT1562-VNBD		TFT color LCD	16 colors	24VDC	5MB	
		GT1555-VTBD	5.7" VGA [640 × 480 dots]	TFT color LCD	65,536 colors			
	GT155	GT1555-QTBD	5.7" QVGA	(high brightness, wide viewing angle)		24VDC	9MB	_
		GT1555-QSBD	[320 × 240 dots]	STN color LCD	4,096 colors			
		GT1550-QLBD		STN monochrome LCD	Monochrome (black/white) 16 gray scales			
GT14	GT145	GT1455-QTBDE*1	5.7" QVGA [320 × 240 dots]	TFT color LCD	65,536 colors	24VDC	9MB	_
		GT1450-QLBDE*1 NEW GT1275-VNBA	10.4" VGA	STN monochrome LCD	Monochrome (black/white)16 gray scales	100-240VAC		
	GT1275	GT1275-VNBA	[640× 480 dots]			24VDC		
GT12		GT1265-VNBA	8.4" VGA	TFT color LCD	256 colors	100-240VAC	6MB	—
	GT1265	GT1265-VNBD	[640 × 480 dots]			24VDC		
		GT1155-QTBD						-
		GT1155-QTBDQ		TFT color LCD				Dedicated to Q bus connection
	GT1155	GT1155-QTBDA			256 colors			Dedicated to A bus connection
	GIII33	GT1155-QSBD			250 001015			_
		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
	074450	GT1150-QLBD			Monochrome (black/white)			-
	GT1150	GT1150-QLBDQ		STN monochrome LCD	16 gray scales			Dedicated to Q bus connection
	Llong	GT1150-QLBDA GT1155HS-QSBD		STN color LCD	256 colors	4		Dedicated to A bus connection
	Handy GOT	GT1150HS-QSBD		STN color LCD STN monochrome LCD	Monochrome (black/white) 16 gray scales	-		-
		GT1055-QSBD	5.7" QVGA	STN monochrome LCD	256 colors			
	GT105	GT1050-QBBD	[320 × 240 dots]	STN monochrome LCD	Monochrome (blue/white) 16 gray scales	24VDC	3MB	-
GT10	0746	GT1045-QSBD	4.7" QVGA	STN color LCD	256 colors	0.01/00		
	GT104	GT1040-QBBD	[320 × 240 dots]	STN monochrome LCD	Monochrome (blue/white) 16 gray scales	24VDC	3MB	—
					,			

GOT main units

	Mod	lel name	Screen size [resolution]	Display			y colors of colors)	Power supply	Memory size	Remarks
		GT1030-HBD*1			Frame color		3-color LED	24VDC		Dedicated to RS-422 connection
		GT1030-HBD2*1					(green, orange, red)			Dedicated to RS-232 connection
		GT1030-HBL*1	4.5"	STN monochrome LCD		Monochrome	(green, orange, reu)	5VDC	1.5MB	Dedicated to RS-422FX connect
		GT1030-HBDW*1	[288 × 96 dots]	(High contrast)	Black	(black/white)	3-color LED	24VDC	1.510	Dedicated to RS-422 connection
		GT1030-HBDW2*1					(white, pink, red)			Dedicated to RS-232 connection
	GT1030	GT1030-HBLW*1					(writte, pilik, reu)	5VDC		Dedicated to RS-422FX connect
	011030	GT1030-HWD*1					3-color LED	24VDC		Dedicated to RS-422 connection
		GT1030-HWD2*1						24000		Dedicated to RS-232 connection
		GT1030-HWL*1	4.5"	STN monochrome LCD	White	Monochrome	(green, orange, red)	5VDC	1.5MB	Dedicated to RS-422FX connect
		GT1030-HWDW*1 GT1030-HWDW2*1	[288 × 96 dots]	(High contrast)	vvriite	(black/white)		24VDC		Dedicated to RS-422 connection
							3-color LED			Dedicated to RS-232 connection
		GT1030-HWLW*1					(white, pink, red)	5VDC		Dedicated to RS-422FX connect
GT10		GT1020-LBD					3-color LED	24VDC		Dedicated to RS-422 connection
		GT1020-LBD2						24VDC		Dedicated to RS-232 connection
		GT1020-LBL	3.7"	STN monochrome LCD	Black	Monochrome	(green, orange, red)	5VDC	E 10KP	Dedicated to RS-422FX connect
		GT1020-LBDW	[160 × 64 dots]	STN monochrome LCD	ыаск	(black/white)		24VDC	512KB	Dedicated to RS-422 connection
		GT1020-LBDW2					3-color LED			Dedicated to RS-232 connection
	074000	GT1020-LBLW					(white, pink, red)	5VDC		Dedicated to RS-422FX connect
	GT1020	GT1020-LWD						24VDC		Dedicated to RS-422 connectio
		GT1020-LWD					3-color LED			Dedicated to RS-232 connectio
	GT1020-LWL	GT1020-LWL	3.7"	STN monochrome LCD	White	Monochrome	(green, orange, red)	5VDC	512KB	Dedicated to RS-422FX connect
		GT1020-LWDW	[160 × 64 dots]	3 IN HIGHOGHOME LCD	vvnite	(black/white)		24VDC	J 312KB	Dedicated to RS-422 connectio
		GT1020-LWDW2					3-color LED			Dedicated to RS-232 connectio
		GT1020-LWLW	7				(white, pink, red)	5VDC	1	Dedicated to RS-422FX connect

*1 : Not supported by GT Works2/GT Designer2.

Product name	Model name	Specifications				Appli	icable r	nodel	_	
FIGUUCI name	Mouer name	Specifications	(GT16	GT15	GT14	GT12	GT11	Handy GOT	GT1
	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)		•	•	-	-	-	-	-
	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))		•		-	-	-	-	-
	GT15-RS4-9S	RS-422/485 serial communication unit (D-sub 9-pin (female))*2*3		•		-	-	-	-	-
erial communication unit	GT15-RS4-TE	RS-422/485 serial communication unit (terminal block)*2 * Usable only when connecting to temperature controllers/indicating controllers via RS-485 or in GOT multi	-drop connection	•	٠	-	-	_	-	-
S-422 conversion unit	GT15-RS2T4-9P	RS-232→RS-422 conversion unit RS-422 connecto	r: 9-pin	● * 6 * 7	•*4	-	-	-	-	-
	GT15-RS2T4-25P	RS-422 conversion unit RS-422 connector	r: 25-pin	•*6 *7	• *4	-	-	—	-	
IELSECNET/H	GT15-J71LP23-25	Standard station unit (optical loop)				-	-	—	-	-
ommunication unit	GT15-J71BR13	Standard station unit (coaxial bus)				-	-	_	-	-
C-Link IE Controller Network	GT15-J71GP23-SX	Standard station unit (optical loop)		•	•	-	-	-	-	-
C-Link IE Field Network communication unit	GT15-J71GF13-T2	Intelligent device station unit				-	-	_	-	-
C-Link communication unit	GT15-J61BT13	Intelligent device station unit (supporting CC-Link version 2)				-	-	—	-	-
thernet communication unit	GT15-J71E71-100	Ethernet (100Base-TX) unit		—		-	-	-	-	-
erial multi-drop connection unit	GT01-RS4-M	For GOT multi-drop connection			*5		*5	•*5	-	
onnector conversion adapter	GT10-9PT5S	Conversion connector between D sub 9-pin male and Europe terminal I	olock 5-pin	-	-		*5	•*5	-	
-232/485 Signal Conversion Adapter	GT14-RS2T4-9P NEW	Conversion adapter from RS-232 to RS-485		-	-		-	-	-	-
	GT11HS-CCL	00 Link interface with fee User to 00T		-	-	-	-	-		
C-Link interface unit	GT11H-CCL	CC-Link interface unit for Handy GOT		-	-	-	-	-		<u> </u>
The unit cannot be used stacked of The unit may not be able to be used of The unit cannot be used when com The unit cannot be used with the 0	depending on the connection des necting to temperature control	 *5 : For the hardware version comprision. *6 : For the instructions for connective res/indicating controllers via RS-485 (2-wire type) *7 : When using the unit in a direct of the unit of the unit	on of GT16/GT18 GT1655.	5, pleas	e contact	your local	sales offic	e.		

Optional units

Dreduct name	Medel nome	Orregilligations			Appli	cable r	nodel		
Product name	Model name	Specifications	GT16	GT15	GT14	GT12	GT11	Handy GOT	GT10
Printer unit	GT15-PRN	USB slave (PictBridge) for printer connection, 1ch			_	_	_		_
		* Cable for printer connection (3m) included				_			
/lultimedia unit	GT16M-MMR	For video input (NTSC/PAL) 1ch Record video images/play video files	•*2	—	-	-	-	-	-
lidaa innut unit	GT16M-V4	For video input (NTSC/PAL) 4ch	•*2	-	-	-	-	-	-
/ideo input unit	GT15V-75V4	For video input (NTSC/PAL) 4ch	-	• *3	-	-	-	—	-
	GT16M-R2	For analog RGB input 2ch	•*2	-	-	-	-	-	-
RGB input unit	GT15V-75R1	For analog RGB input 1ch	-	• *3	-	-	-	-	-
lidee/DCD input unit	GT16M-V4R1	For video input (NTSC/PAL) 4ch / analog RGB 1ch composite input	•*2	-	-	-	-	-	-
/ideo/RGB input unit	GT15V-75V4R1	For video input (NTSC/PAL) 4ch / analog RGB 1ch composite input	-	• *3	-	-	-	—	-
	GT16M-ROUT	For analog RGB output 1ch	•*2	-	-	-	-	—	-
RGB output unit	GT15V-75ROUT	For analog RGB output 1ch	-	• *3	-	-	-	-	-
F 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		•	-	-	-	-	-
Tutomol innut/output 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)			_	-	-	—	-

*2 : Excluding the GT16 - VNB and GT1655.
 *3 : Only the GT1585V and GT1575V are supported.

INDEX For r Designers For r Initial Startup & Operations For Maintenand Personnel GT10 iQ Platform MELSEC Process Control Specifications, External Dimension

List of Connec Models, etc

Software

Product name	Model name		C	ontents						
HMI Screen Design Software MELSOFT GT Works3 Version1	SW1DNC-GTWK3-E	Single license	*CD-ROM	English version						
HIMI SCIEET DESIGN SONWARE MELSOFT OF WORKS VEISION	SW1DNC-GTWK3-EA	Multiple-licence*1	*CD-ROM	English version						
FA Integrated Engineering Software MELSOFT iQ Works *3	SW1DNC-IQWK-E	Single license	*CD-ROM	English version						
FA Integrated Engineering Software MELSOFT Q Works	SW1DND-IQWK-E	Single license	*DVD-ROM	English version						
License key for GT SoftGOT1000*4	GT15-SGTKEY-U	For USB port								
Personal computer remote operation function (Ethernet) license*5	GT16-PCRAKEY	1 license								
VNC [®] server function license ^{*5}										
*1 : The desired number of licenses (2 or more) can be purchased. For details, please contact your local sales office. *2 : Multiple-license product and additional license product are also available. For more details, please refer to the MELSOFT iQ Works catalog (L(NA)08232).										

*2: The product and additional license product are also available. For more details, prease relet to the metcode in the metcode

Options

Product name	Model name		Specifications				cable I			
i rouuci name				GT16	GT15	GT14	GT12	GT11	Handy GOT	GT1
	GT16-90XLTT		For GT1695M-XTB		-	-	-	-	-	-
	GT16-80SLTT		For GT1685M-STB		-	-	-	-	-	-
	GT16-70SLTT		For GT1675M-STB		-	-	-	-	-	-
	GT16-70VLTT		For GT1675M-VTB *1		-	-	-	-	-	-
	GT16-70VLTTA		For GT1675M-VTB *2		-	-	-	-	-	-
	GT16-70VLTN		For GT1675-VNB /GT1672-VNB		-	-	-	-	-	-
	GT16-60SLTT		For GT1665M-STB		-	-	-	-	-	-
	GT16-60VLTT		For GT1665M-VTB		-	-	-	-	-	-
Destablished	GT16-60VLTN	De al-liaite	For GT1662-VNB		-	-	-	-	-	-
Backlight	GT15-90XLTT	Backlight	For GT1595-XTB	-		-	-	-	-	- 1
	GT15-80SLTT		For GT1585V-STB /GT1585-STB	-		-	-	-	-	-
	GT15-70SLTT		For GT1575-STB *3	_	Ŏ	-	-	-	-	- 1
	GT15-70VLTT		For GT1575V-STB_/GT1575-VTB_/GT1575-STB_*4	-	ě	-	-	-	-	- 1
	GT15-70VLTN		For GT1575-VNB /GT1572-VNB	_	Ĭ	-	-	-	_	- 1
	GT15-60VLTT		For GT1565-VTB	_		-	-	-	_	-
	GT15-60VLTN			_	•	_	_	_	_	-
			For GT1562-VNB	_	_	_		-	-	
	GT12-70VLTN		For GT1275-VNB	_		_				<u> </u>
	GT12-60VLTN		For GT1265-VNB							
	GT16-MESB		For MES interface function		-	-	-	-	-	-
	GT15-FNB	Optional function board	(No expansion memory)	-		-	-	-	-	-
	GT15-QFNB	* The required entional function	(No expansion memory)	-		-	-	-	-	-
Optional function board	GT15-QFNB16M	* The required optional function board varies depending on the	+ 16MB expansion memory	-		-	-	-	-	-
puonal function board	GT15-QFNB32M	GOT main unit and function.	+ 32MB expansion memory	-		-	-	-	-	-
	GT15-QFNB48M	For the details, see "Notes for	+ 48MB expansion memory	—		-	-	-	-	-
	GT15-MESB48M		+ 48MB expansion memory	-		-	-	-	-	-
	GT11-50FNB	use" (page 81).		-	-	-	-	*5	• *9	- 1
T10 memory loader	GT10-LDR	For GT1030/GT1020 (for OS pro	pject data transfer) no power source required	-	- 1	-	-	-	_	
GT10 memory board	GT10-50FMB	For GT105 /GT104 (for 0		-	-	-	-	-	-	ē
	GT16-90PSCB		Clear, 5 sheets	•	-	-	-	-	-	-
	GT16-90PSGB	1	Anti-glare, 5 sheets	•	_	_	-	-	_	- 1
	GT16-90PSCW	Protective sheet for 15" screen	Clear (frame: white), 5 sheets		_	_	-	-	_	
	GT16-90PSGW	(for GT16)	Anti-glare (frame: white), 5 sheets		_	_			_	
		4			_	_	_	_	_	
	GT16-90PSCB-012		Clear (USB protective cover type), 5 sheets*14	-						
	GT15-90PSCB		Clear, 5 sheets			-	-	-	-	
	GT15-90PSGB	Protective sheet for 15" screen	Anti-glare, 5 sheets	-		-	-	-	-	
	GT15-90PSCW	(for GT15)	Clear (frame: white), 5 sheets	-		-	-	-	-	-
	GT15-90PSGW		Anti-glare (frame: white), 5 sheets	_		-	-	-	-	
	GT16-80PSCB		Clear, 5 sheets		-	-	-	-	-	-
	GT16-80PSGB	Protective sheet for 12.1" screen	Anti-glare, 5 sheets		-	-	-	-	-	-
	GT16-80PSCW		Clear (frame: white), 5 sheets		-	-	-	-	-	
	GT16-80PSGW	(for GT16)	Anti-glare (frame: white), 5 sheets		-	-	-	-	-	-
	GT16-80PSCB-012		Clear (USB protective cover type), 5 sheets*14		-	-	-	-	-	-
	GT15-80PSCB		Clear, 5 sheets	-		-	-	-	-	-
	GT15-80PSGB	Protective sheet for 12.1" screen	Anti-glare, 5 sheets	_		-	-	-	-	- 1
	GT15-80PSCW	(for GT15)	Clear (frame: white), 5 sheets	-	Ŏ	-	-	-	-	- 1
	GT15-80PSGW		Anti-glare (frame: white), 5 sheets	-	ě	-	-	-	-	- 1
	GT16-70PSCB		Clear, 5 sheets	•	-	_	-	-	-	-
	GT16-70PSGB		Anti-glare, 5 sheets	•	-	_	-	-	_	- 1
		Protective sheet for 10.4" screen			-	_	_	-	-	
	GT16-70PSCW	(for GT16)	Clear (frame: white), 5 sheets	-						
	GT16-70PSGW		Anti-glare (frame: white), 5 sheets		-	-	-	-	-	-
	GT16-70PSCB-012		Clear (USB protective cover type), 5 sheets*14		-	-	-	-	-	-
	GT15-70PSCB		Clear, 5 sheets	-		-	-	-	-	-
	GT15-70PSGB	Protective sheet for 10.4" screen	Anti-glare, 5 sheets	-		-	-	-	-	-
Protective sheet	GT15-70PSCW	(for GT15)	Clear (frame: white), 5 sheets	—		-	-	-	-	-
Totestive Sheet	GT15-70PSGW		Anti-glare (frame: white), 5 sheets	—		-	-	-	-	
	GT11-70PSCB	Protective sheet for 10.4" screen (for GT12)	Clear, 5 sheets	—	-	-		-	-	-
	GT16-60PSCB		Clear, 5 sheets		-	-	-	-	-	-
	GT16-60PSGB	Destaution 1 11 - 17	Anti-glare, 5 sheets	•	-	-	-	-	-	-
	GT16-60PSCW	Protective sheet for 8.4" screen	Clear (frame: white), 5 sheets	Ŏ	-	-	-	-	-	- 1
	GT16-60PSGW	(for GT16)	Anti-glare (frame: white), 5 sheets	•	- 1	-	-	- 1	-	-
	GT16-60PSCB-012	1	Clear (USB protective cover type), 5 sheets*14	ĕ	-	-	-	-	-	- 1
	GT15-60PSCB		Clear, 5 sheets	_	•	_	-	<u> </u>	-	-
	GT15-60PSGB	Protective sheet for 8.4" screen	Anti-glare, 5 sheets	_		-	-	-	-	- 1
	GT15-60PSCW	(for GT15)	Clear (frame: white), 5 sheets	_	•	_	-	-	-	- 1
	GT15-60PSGW		Anti-glare (frame: white), 5 sheets	_		_	-	_	_	
		Protoctive about for 0.4" server //ar OT40	• · · · · · · · · · · · · · · · · · · ·	_		_		-	_	
	GT11-60PSCB	Protective sheet for 8.4" screen (for GT12)	Clear, 5 sheets			<u> </u>	•			
	GT16H-60PSC	Protective sheet for 6.5" screen (for GT16 Handy GOT)	Clear, 5 sheets	-	-	<u> </u>	-	-	•	
	GT16-50PSCB		Clear, 5 sheets	•	-	-	-	-	-	
	GT16-50PSGB	Protective sheet for 5.7" screen	Anti-glare, 5 sheets		-	-	-	-	-	
	GT16-50PSCW	(for GT16)	Clear (frame: white), 5 sheets		-	-	-	-	-	-
	GT16-50PSGW		Anti-glare (frame: white), 5 sheets		-	-	-	-	-	-
	GT16-50PSCB-012		Clear (USB protective cover type), 5 sheets*14		-	-	-	-	-	-
	GT15-50PSCB		Clear, 5 sheets	-		-	-	-	-	- 1
	GT15-50PSGB	Protective sheet for 5.7" screen	Anti-glare, 5 sheets	-	Ŏ	-	-	-	-	- 1
	GT15-50PSCW	(for GT15)	Clear (frame: white), 5 sheets	-		-	-	-	-	-
	GT15-50PSGW	(Anti-glare (frame: white), 5 sheets	_		_	_	-	_	-
				_	-			_	_	
	GT14-50PSCB NEW	Drokosliva alteratifa 5.7"	Clear, 5 sheets		-	•	-	_		<u> </u>
	GT14-50PSGB	Protective sheet for 5.7" screen	Anti-glare, 5 sheets	-	-		-	-	-	
	GT14-50PSCW NEW	(for GT14)	Clear (frame: white), 5 sheets	-	-		-	-	-	-
	GT14-50PSGW NEW		Anti-glare (frame: white), 5 sheets	-	-		-	-	-	-
	GT11-50PSCB		Clear, 5 sheets	—	-	-	-		-	-
	GT11-50PSGB	Protective sheet for 5.7" screen	Anti-glare, 5 sheets	-	-	-	-		-	-
	GTTT-SUFSGD									
	GT11-50PSCW	(for GT11)	Clear (frame: white), 5 sheets	_	-	-	-		-	-

Product n	ame	Model name		Spe	cifications		0740	OTIE		cable I			OTto
		GT11H-50PSC	Protoctive about for				GT16	GT15	GT14	GT12	GT11	Handy GOT	GT10
		GT10-50PSCB	Protective Sneet TO	5.7" screen (for GT11 Handy GOT)	Clear, 5 sheets Clear, 5 sheets		_	-	_	_	-	•	-
		GT10-50PSGB	Protective sl	neet for 5.7" screen	Anti-glare, 5 sheets		-	-	-	-	-	-	•
		GT10-50PSCW	(for GT105		Clear (frame: white),	5 sheets	-	-	-	-	-	-	
		GT10-50PSGW	(_/	Anti-glare (frame: wh		-	-	-	-	- 1	-	Ŏ
		GT10-40PSCB			Clear, 5 sheets		-	-	-	-	-	-	
		GT10-40PSGB	Protective sl	neet for 4.7" screen	Anti-glare, 5 sheets		-	- 1	-	-	- 1	-	
		GT10-40PSCW	(for GT104		Clear (frame: white),	5 sheets	-	-	-	-	-	-	
rotective sheet		GT10-40PSGW	1`	_,	Anti-glare (frame: wh		-	-	-	-	-	-	
		GT10-30PSCB			Clear, 5 sheets	,,	-	-	-	-	-	-	
		GT10-30PSGB	Protective sl	neet for 4.5" screen	Anti-glare, 5 sheets		-	-	-	-	-	-	Ŏ
		GT10-30PSCW	(for GT1030		Clear (frame: white),	5 sheets	-	-	-	-	- 1	-	Ŏ
		GT10-30PSGW			Anti-glare (frame: wh		-	-	-	_	-	-	
		GT10-20PSCB			Clear, 5 sheets		_	-	-	-	-	-	•
		GT10-20PSGB	Protective sl	neet for 3.7" screen	Anti-glare, 5 sheets		-	_	-	-	-	-	
		GT10-20PSCW	(for GT1020		Clear (frame: white),	5 shoots	_	_	_	_	-	-	
		GT10-20PSGW)	Anti-glare (frame: wh		_	_	_	_	_	_	
		GT16-UCOV					-		_	_	-	_	_
			Brotast	war for LICD intenter	For 15"/12.1"/10.4"/8	.4	-	-		_	-		
OD mentanti		GT16-50UCOV	-	over for USB interface	For 5.7"	41	•		-			-	
SB protective cov	er	GT15-UCOV	on main unit		For 15"/12.1"/10.4"/8	.4	-	•	-	-	-	-	
		GT14-50UCOV	(for replacer	nent)	For 5.7"		-	-	•	-	-	-	-
		GT11-50UCOV	01		For 5.7"		-	•	-	-		-	
		GT05-90PCO		cover for 15" screen			•	•	-	-	-	-	
		GT05-80PCO		cover for 12.1" screen			•	•	-	_	-	-	_
		GT05-70PCO		cover for 10.4" screen					-		-	-	
		GT05-60PCO		cover for 8.4" screen					-		-	-	-
il resistant cover*	7	GT16-50PCO		cover for 5.7" screen				-	-	-	-	-	-
		GT05-50PCO	Oil resistant	cover for 5.7" screen			-			-		-	
		GT10-40PCO	Oil resistant	cover for 4.7" screen			-	-	-	-	-	-	
		GT10-30PCO	Oil resistant	cover for 4.5" screen			-	-	-	-	-	-	
		GT10-20PCO	Oil resistant	cover for 3.7" screen			-	-	-	-	-	-	•
		GT16H-60ESCOV		ental operation prevention of en	nergency stop switch (for GT	16 Handy GOT)	-	-	-	-	- 1	•	_
mergency stop sw	tch guard	GT11H-50ESCOV		ental operation prevention of en			-	-	-	-	- 1	•	-
		GT15-90STAND	Stand for 15					•	-	-	-	_	-
		GT15-80STAND	Stand for 12				•	•	-	_	-	-	-
land		GT15-70STAND	Stand for 10				ě	ě	_	•	<u> </u>	_	_
		GT05-50STAND	Stand for 5.7				ě	ě	•	_	•	-	
		GT05-MEM-128MC	128MB flash						_	•	•		_
		GT05-MEM-256MC	256MB flash						_	•		•	_
			512MB flash						_	-	-	-	<u> </u>
		GT05-MEM-512MC					-	-	_	•		•	
	CF card	GT05-MEM-1GC	1GB flash R				•	•		•		•	
emory card		GT05-MEM-2GC	2GB flash R				•	•	-		•	•	
		GT05-MEM-4GC	4GB flash R	-			•	-	-	-	-	• *10	
		GT05-MEM-8GC	8GB flash R				•	-	-	-	-	• *10	
		GT05-MEM-16GC	16GB flash I					-	-	-	-	• *10	
	SD card	L1MEM-2GBSD	2GB SD me				-	-		-	-	-	_
		L1MEM-4GBSD		memory card			-	-		-	-	-	_
emory card adap	ter	GT05-MEM-ADPC	CF card→m	emory card (TYPE II) co	onversion adapter				-				-
		GT15-70ATT-98		A985GOT **		OT107			-		-	-	—
			Attachment for	A870GOT-SWS	A8GT-70GOT-TB	GT167							
		GT15-70ATT-87	10.4" type	A870GOT-TWS	A8GT-70GOT-SW	→GT157	•		-	•	-	-	-
				A8GT-70GOT-TW	A8GT-70GOT-SB	GT1275							
		GT15-60ATT-97		A97_GOT			•	•	-		-	-	-
		GT15-60ATT-96	1	A960GOT		1	•	Ŏ	-	•	-	-	-
			1	A870GOT-EWS	A77GOT-EL-S5	1	<u> </u>	-					
tachment		GT15-60ATT-87	Attachment for	A8GT-70GOT-EW	A77GOT-EL-S3	GT166			_		_	_	_
			8.4" type	A8GT-70GOT-EB	A77GOT-EL	→GT156				-			
			- 0 iype	A77GOT-CL-S5	A77GOT-L-S5	GT1265					-		<u> </u>
		GT15-60ATT 77		A77GOT-CL-SS	A77GOT-L-S5 A77GOT-L-S3			•	_	•	_	_	
		GT15-60ATT-77		A77GOT-CL-S3 A77GOT-CL					-	-	_		_
					A77GOT-L	GT1655					-		<u> </u>
		GT15-50ATT-95W	Attachment for	A956WGOT	F940WGOT	GT1655 GT155				-		-	-
		GT15-50ATT 95	5.7" type	A85_GOT		→ GT145	•	•	•	_		_	_
		GT15-50ATT-85				GT115	-	-	-		-	-	<u> </u>
attery		GT15-BAT		ckup of clock data and ma			•*11		-	-	-	*13	-
		GT11-50BAT	Battery for backu	p of clock data, alarm history, rec			*12	-				• *9	*6
: Function version C : Function version E	or earlier.			*10 : Can be us *11 : Excluding	sed only with the GT16 Ha GT1655. Application: Bat	indy. terv for backup o	f clock de	ta, mainte	enance tir	ne notific	ation data	a. system	log data
: Function version E	or earlier.			Shaw us									
: Function version C : Excluding the GT1	or later.	and GT115 -Q BDA.		*12 : Can be us system to	sed only with the GT1655. g data, SRAM user area (Application: Batt	ery for ba	ckup of cl	lock data,	mainten	ance time	notificati	on data,
: Excluding the GT1	020.			*13 : Can be u	sed only with the GT16 Ha	indy. Application:	Battery fo	or backup	of clock	data, mai	intenance	time noti	fication data
 Check if the oil res 	istant cover ca	n be used in the actual environmen r, the front USB interface and huma	t before use.	system lo	g data, SRAM user area (face USB interface canno	for replacement)	,						
Including the GP2	50 and GP26	S0 manufactured by Pro-face.	an achaor Gannol	oc useu. •• 14 . The Ironte	add dob menade ddfff0	, se used wrien u	any a pro	JIGGUIVE SI	icei indi	55VE15 (I)	c oob pr	orecrive (over died.
. Including the of 2.		Handy											
: Can be used only	with the GT11	nanay.											
: Can be used only	with the GT11	i tanay.											

G

Manuals are supplied as PDF documents with the software package in the CD-ROM. Printed manuals are also available.

Manual title	Catalog No.
T Designer3 Version1 Screen Design Manual (Fundamentals)	SH-080866ENG
T Designer3 Version1 Screen Design Manual (Functions) *A set of two volumes	SH-080867ENG
OT1000 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
OT1000 Series Connection Manual (Microcomputer, MODBUS Products, Peripherals) for GT Works3	SH-080871ENG
OT1000 Series Gateway Functions Manual for GT Works3	SH-080858ENG
OT1000 Series MES Interface Function Manual for GT Works3	SH-080859ENG
GT SoftGOT1000 Version3 Operating Manual for GT Works3	SH-080861ENG
T Simulator3 Version1 Operating Manual for GT Works3	SH-080860ENG
T Converter2 Version3 Operating Manual for GT Works3	SH-080862ENG

Manual title	Catalog No.
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
GT14 User's Manual	JY997D44801C
GT12 Supplementary Description	SH-080864ENG
GT11 User's Manual	JY997D17501
GT16 Handy GOT User's Manual (Hardware • Utility, Connection) *A set of two volumes	JY997D41201
GT11 Handy GOT User's Manual (Hardware • Utility, Connection) *A set of two volumes	JY997D20101
GT10 User's Manual	JY997D24701

Cables

	Product name	Model name	Cable	Third party products	Application	0.7		_	ble m		Handy	
			length	*1		GT16	GT15	GT14	GT12	GT11	GOT	G
		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	For connection between GOT and GOT			-	-		-	•
Bus connection		GT15-QC50B	5m		For connection between GOT and GOT							
cable for		GT15-QC100B	10m	1								
QCPU (Q mode)		GT15-QC150BS	15m									
	Long-distance connection	GT15-QC200BS	20m	1	For long-distance (13.2m or more) connection between							
	cable for QCPU	cable for QCPU	QCPU and GOT (A9GT-QCNB required)			_	_	•				
	GOT-to-GOT long-distance				For long-distance connection between GOT and GOT	-	-			-		
	connection cable	GT15-QC300BS	30m	-	For long-distance connection between GOT and GOT							
		GT15-QC350BS	35m									-
Bus extension conn	ector box	A9GT-QCNB — Used for QCPU long-distance (13.2m or more) bus connected		Used for QCPU long-distance (13.2m or more) bus connection			-	-		-		
		GT15-C12NB	1.2m		For connection between QnA/ACPU/motion controller CPU							
		GT15-C30NB	3m					-	-		-	
		GT15-C50NB	5m	1	(A series, extension base) and GOT							
		GT15-AC06B	0.6m									+
	Large CPU extension cable	GT15-AC12B	1.2m	-	For connection between QnA/ACPU/motion controller CPU							
								-	-		-	-
		GT15-AC30B	3m	-	(A series, extension base) and A7GT-CNB							
		GT15-AC50B	5m									
		GT15-A370C12B-S1	1.2m		For connection between motion controller CPU			_	_	•		
		GT15-A370C25B-S1	2.5m		(A series, main base) and GOT			-	-	•	_	1.
		GT15-A370C12B	1.2m	-	For connection between motion controller CPU					_		
		GT15-A370C25B	2.5m	0	(A series, main base) and A7GT-CNB			-	-	•	-	.
								-	-			+
		GT15-A1SC07B	0.7m	-	For connection between QnAS/AnSCPU/motion controller	-	-			-		
		GT15-A1SC12B	1.2m		CPU (A series) and GOT		•	-	-	•	-	.
Bus connection		GT15-A1SC30B	3m									
cable for		GT15-A1SC50B	5m	0	For connection between QnAS/AnSCPU and GOT	٠	•	-	-		-	•
QnA/ACPU/motion	Small CPU extension cable	GT15-A1SC05NB	0.45m	1								
controller CPU		GT15-A1SC07NB	0.7m		For connection between QnAS/AnSCPU/motion controller		•	_	-		_	.
				+	CPU (A series) and A7GT-CNB							
(A series)		GT15-A1SC30NB	3m			-	-	-	-	-		-
		GT15-A1SC50NB	5m	0	For connection between QnAS/AnSCPU and A7GT-CNB		•	-	-		-	<u> </u>
		GT15-C100EXSS-1	10.6m		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	0	For long-distance connection between A7GT-CNB and GOT		•	-	-		-	1
		GT15-C300EXSS-1	30.6m		*Set of GT15-EXCNB and GT15-C_BS							
								<u> </u>				\vdash
		GT15-C07BS	0.7m	-								
	GOT-to-GOT	GT15-C12BS	1.2m	0	For connection between GOT and GOT			_	-	•	_	.
	connection cable	GT15-C30BS	3m									
		GT15-C50BS	5m									
		GT15-C100BS	10m									
	GOT-to-GOT long-distance	GT15-C200BS	20m		For connection between GOT and GOT		•	_	_		_	.
	connection cable			+								Ľ
		GT15-C300BS	30m	-		-	-			-		-
	A0J2HCPU connection cable	GT15-J2C10B	1m	0	For connection between power supply unit (A0J2-PW) for A0J2HCPU and GOT	•	•	-	-	•	-	1
Bus connector conv	version box	A7GT-CNB	-	-	Used for QnA/ACPU long-distance bus connection			-	-		-	
Buffer circuit cable		GT15-EXCNB	0.5m	0	Usable as GT15-C EXSS-1 in combination with GT15-C BS			-	-		-	
	Q bus cable (two-pack)	GT15-QFC	-		Ferrite cores for replacing existing GOT-A900 bus cable with							1
	A bus cable (two-pack)	GT15-AFC	_	0	bus cable for GOT1000		•	-	-		-	•
Forme core set for A	tous cable (two-pack)					-		-	-	-		+
RS-422 conversion	cable	GT16-C02R4-9S	0.2m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins)		-		-	-	-	+
		GT16-C02R4-25S	0.2m	0	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins)		-	-	-	-	-	·
		FA-LTBGTR4CBL05	0.5m		RS-485 terminal block conversion unit							
	ock conversion unit	FA-LTBGTR4CBL10	1m	10	*With cable for connection between RS-422/485 (connector)		_	-	L	_	-	.
RS-485 terminal bl				1		-						1
RS-485 terminal bl		FA-LTBGTR4CBI 20	2m		of GT16 and RS-485 terminal block conversion unit							1
RS-485 terminal bl		FA-LTBGTR4CBL20 GT01-C30B4-25P	2m 3m		of GT16 and RS-485 terminal block conversion unit							\vdash
RS-485 terminal bl		GT01-C30R4-25P	3m		of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU						•*3	8
RS-485 terminal bl		GT01-C30R4-25P GT01-C100R4-25P	3m 10m		of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT	•*6			•	•	•*3	3
RS-485 terminal bl	QnA/A/FXCPU	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P	3m 10m 20m		of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT		•	•	•	•	•*3	3
RS-485 terminal bl	QnA/A/FXCPU direct connection cable	GT01-C30R4-25P GT01-C100R4-25P	3m 10m	-	of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNVGBL and GOT		•	•	•	•	•*3	3
RS-485 terminal bl		GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P	3m 10m 20m		of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between serial communication unit and GOT For connection between AJ65BT-G4-S3 and GOT		•	•	•	•	•*3	3
RS-485 terminal bl	direct connection cable	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C300R4-25P	3m 10m 20m 30m 3m		of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between AJ65BT-G4-S3 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin		•	•	•	•	-	
RS-485 terminal bl	direct connection cable Computer link	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C300R4-25P GT10-C30R4-25P GT10-C100R4-25P	3m 10m 20m 30m 3m 10m	- - - -	of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNVCBL and GOT For connection between AA65BT-G4-S3 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin connector) and GOT		•	•	•	•	•** 	
RS-485 terminal bl	direct connection cable Computer link	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C300R4-25P GT10-C30R4-25P GT10-C100R4-25P GT10-C200R4-25P	3m 10m 20m 30m 3m 10m 20m		of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV[_CBL and GOT For connection between serial communication unit and GOT For connection between AJ65B1-C4-S3 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin connector) and GOT For connection between serial communication unit		•	•	•	•	-	3
RS-485 terminal bl	direct connection cable Computer link	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT01-C300R4-25P GT10-C30R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C300R4-25P	3m 10m 20m 30m 3m 10m 20m 30m		of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNVCBL and GOT For connection between AA65BT-G4-S3 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin connector) and GOT		•	•	•	•	-	
RS-485 terminal bl	direct connection cable Computer link connection cable	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C30R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT09-C30R4-6C	3m 10m 20m 30m 3m 10m 20m 30m 3m	- - - - - - - -	of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between AJ65BT-64-F3 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		•	•	•	•	-	
RS-485 terminal bl	direct connection cable Computer link connection cable Computer link	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT09-C300R4-6C GT09-C100R4-6C	3m 10m 20m 30m 3m 10m 20m 30m 3m 10m	-	of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between AA65BT-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	•*6	•	-	•		_	
RS-485 terminal bl	direct connection cable Computer link connection cable	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C30R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT09-C30R4-6C	3m 10m 20m 30m 3m 10m 20m 30m 3m	-	of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between AJ65BT-64-F3 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		•	•	•	•	_	
RS-485 terminal bl	direct connection cable Computer link connection cable Computer link	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT09-C300R4-6C GT09-C100R4-6C	3m 10m 20m 30m 3m 10m 20m 30m 3m 10m	-	of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between AA65BT-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	•*6	•	-	•		_	
RS-485 terminal bl	direct connection cable Computer link connection cable Computer link	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-C300R4-6C GT09-C200R4-6C GT09-C300R4-6C	3m 10m 20m 30m 3m 10m 20m 30m 3m 10m 20m 30m	-	of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between AA65BT-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	•*6	•	-	•		_	
RS-485 terminal bl	direct connection cable Computer link connection cable Computer link	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C100R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT09-C100R4-8C GT09-C100R4-8C GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C	3m 10m 20m 30m 3m 10m 20m 30m 30m 10m 20m 30m 10m	-	of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between AA65BT-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	•*6	•	-	•		_	
RS-485 terminal bl	direct connection cable Computer link connection cable Computer link	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C200R4-25P GT09-C300R4-6C GT09-C300R4-6C GT09-C200R4-6C GT09-C300R4-6C GT01-C10R4-8P GT01-C30R4-8P	3m 10m 20m 30m 3m 10m 20m 30m 30m 30m 10m 30m 30m 30m	-	of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between AA65BT-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	•*6		•		•	- - •*	(8 8 8 8
RS-485 terminal bl	direct connection cable Computer link connection cable Computer link	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C300R4-25P GT09-C30R4-6C GT09-C300R4-6C GT09-C200R4-6C GT09-C200R4-6C GT09-C300R4-6C GT01-C100R4-8P GT01-C100R4-8P	3m 10m 20m 30m 3m 20m 30m 30m 10m 20m 30m 10m 30m	-	of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between 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 for connection between computer link unit and GOT	•*6	•	-	•		- - •*	(
	direct connection cable Computer link connection cable Computer link	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C200R4-25P GT10-C300R4-8C GT09-C300R4-8C GT09-C300R4-6C GT09-C300R4-6C GT09-C300R4-6C GT01-C10R4-8P GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P	3m 10m 20m 30m 30m 30m 30m 10m 20m 30m 10m 30m 10m 20m	-	of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV□CBL and GOT For connection between AJ65BT-64-S3 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin connector) and GOT For connection between serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT	•*6		•		•	- - •*	(
	direct connection cable Computer link connection cable Computer link	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C300R4-25P GT01-C300R4-8C GT09-C100R4-8C GT09-C200R4-6C GT09-C300R4-6C GT01-C30R4-8P GT01-C30R4-8P GT01-C10R4-8P GT01-C300R4-8P GT01-C300R4-8P	3m 10m 20m 30m 30m 10m 20m 30m 30m 10m 20m 30m 10m 30m 30m	-	of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between 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 computer link unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT	•*6		•		•	- - •*	(
	direct connection cable Computer link connection cable Computer link	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C300R4-25P GT09-C30R4-6C GT09-C300R4-6C GT09-C200R4-6C GT09-C200R4-6C GT01-C10R4-8P GT01-C30R4-8P GT01-C30R4-8P GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P	3m 10m 20m 30m 3m 10m 20m 30m 10m 20m 30m 10m 20m 30m 11m		of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between AA65BT-G4-S3 and GOT For connection between QnA/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 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 (MINI-DIN 8-pin connector) and GOT	•*6		•		•	- - •*	3
	direct connection cable Computer link connection cable Computer link connection cable	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C100R4-25P GT10-C200R4-25P GT10-C200R4-25P GT09-C30R4-8C GT09-C300R4-6C GT09-C200R4-6C GT09-C200R4-6C GT09-C300R4-8P GT01-C100R4-8P GT01-C100R4-8P GT01-C300R4-8P GT10-C300R4-8P GT10-C300R4-8P GT10-C300R4-8P	3m 10m 20m 30m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 10m 20m 30m 33m		of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between 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 computer link unit and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT	•*6		•		•	- - •*	3
	direct connection cable Computer link connection cable Computer link connection cable	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C100R4-25P GT10-C300R4-25P GT10-C300R4-25P GT09-C300R4-8C GT09-C100R4-8C GT09-C100R4-8C GT09-C300R4-8C GT01-C30R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C300R4-8P GT10-C300R4-8P GT10-C10R4-8P GT10-C100R4-8P GT10-C100R4-8P GT10-C100R4-8P GT10-C100R4-8P	3m 10m 20m 30m 30m 10m 20m 30m 10m 20m 30m 11m 30m 10m 30m 11m 30m		of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV_CBL and GOT For connection between AA65BT-G4-S3 and GOT For connection between QnA/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 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 (MINI-DIN 8-pin connector) and GOT	•*6		•		•	- - •*	8
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	direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board connection cable	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-C300R4-6C GT09-C200R4-6C GT09-C200R4-6C GT09-C300R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C100R4-8P GT10-C300R4-8P GT10-C300R4-8P GT10-C300R4-8P GT10-C300R4-8P GT10-C300R4-8P GT10-C300R4-8P GT10-C300R4-8P GT10-C300R4-8P GT10-C10R4-8PL GT10-C10R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C300R4-8PC GT10-C300R4-8PC GT10-C300R4-8PC GT10-C300R4-8PC GT10-C300R4-8PC GT10-C300R4-8PC GT10-C300R4-8PC GT10-C300R4-8PC	3m 10m 20m 30m 3m 10m 20m 30m 10m 20m 30m 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	-	of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between A-GS3 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 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 function For connection between Serial communication function 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 for connection between FXCPU (MINI-DIN 8-pin connector) and GOT #The unit cannot be used with the FXINC, FX2NC, FX3UC-DIDSS, FX3G. For connection between FXCPU communication function got for connection between FXCPU communication function stension board (MINI-DIN 8-pin connector) and GO	•*6		•		•	- - - **3 -	
	direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board connection cable	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-C30R4-8C GT09-C100R4-8C GT09-C100R4-8C GT09-C200R4-6C GT09-C200R4-6C GT01-C100R4-8P GT01-C300R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8PC GT10-C10R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC	3m 10m 20m 30m 3m 10m 20m 30m 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	-	of GT16 and RS-485 terminal block conversion unit For connection between GnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between AA-65NV_CBL and GOT For connection between AA-65NV_CBL and GOT For connection between AA-65NV_CBL 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 SYCPU (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 communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT	• *6 • *6 • *6	-	•	•	•	- - - **3 -	
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	direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board connection cable	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-C30R4-8C GT09-C100R4-8C GT09-C100R4-8C GT09-C200R4-6C GT09-C200R4-6C GT01-C100R4-8P GT01-C300R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C10R4-8PC GT10-C10R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC GT10-C100R4-8PC	3m 10m 20m 30m 3m 10m 20m 30m 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	-	of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between AA-SS 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 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 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 communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For replacing a F330GOT unit with th	• *6 • *6 • *6	-	•	•	•	- - - **3 -	
RS-422 cable	direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board connection cable Connector conversion cable for F930-+GT1030 replacement	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C200R4-25P GT10-C300R4-25P GT09-C30R4-25P GT09-C30R4-25P GT09-C300R4-6C GT09-C200R4-6C GT09-C200R4-6C GT09-C200R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C300R4-8P GT10-C300R4-8P GT10-C10R4-8P GT10-C10R4-8PC GT10-C10R4-8PC GT10-C10R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC	3m 10m 20m 30m 3m 10m 20m 30m 10m 20m 30m 10m 20m 30m 1m 3m 10m 20m 30m 1m 30m 1m 30m 20m 30m 10m 20m 30m 20m 30m 30m 30m 30m 30m 30m 30m 3	- -	of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between A-658 T-64-53 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 (AJ71QC24(N)-R4) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication 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 and GOT/personal computer (GT SoftGOT1000) (D-sub 9-pin) For connection between personal computer (screen design software)	• *6 • *6 • *6	-	•	•	•	- - - **3 -	
RS-422 cable	direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board connection cable Connector conversion cable for F930->GT1030 replacement Q/LCPU direct connection cable	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C200R4-25P GT10-C300R4-25P GT09-C30R4-25P GT09-C30R4-25P GT09-C300R4-6C GT09-C200R4-6C GT09-C200R4-6C GT09-C200R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C300R4-8P GT10-C300R4-8P GT10-C10R4-8P GT10-C10R4-8PC GT10-C10R4-8PC GT10-C10R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC	3m 10m 20m 30m 3m 10m 20m 30m 10m 20m 30m 10m 20m 30m 1m 3m 10m 20m 30m 1m 30m 1m 30m 20m 30m 10m 20m 30m 20m 30m 30m 30m 30m 30m 30m 30m 3	- -	of GT16 and RS-485 terminal block conversion unit For connection between GnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between A/65BT-64-S3 and GOT For connection between QnA/A/FXCPU (D-sub 25-pin connection between QnA/A/FXCPU (D-sub 25-pin connection between QnA/A/FXCPU (D-sub 25-pin connection between serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit (AJ71QC24(N)-R4) and GOT For connection between serial communication unit and GOT For connection between serial communication unit and GOT For connection between SXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function for connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For replacing a F930GOT unit with the GT1030 series unit Converts D-sub 9-pin connector loose wire (Europe terminal block) For connection between Q/LCPU and GOT/personal computer (GT SoftGOT1000) (D-sub 9-pin) For connection between gracenal computer (Screen design software) (D-sub 9-pin, female) and GOT (MINI-DIN 6-pin, male)	• *6 • *6 • *6	-	- - -	•	•	- + + + + - + + - - - - - -	
RS-485 terminal bi	direct connection cable Computer link connection cable Computer link connection cable FXCPU direct connection cable FX communication function extension board connection cable Connector conversion cable for F930-+GT1030 replacement	GT01-C30R4-25P GT01-C100R4-25P GT01-C200R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C300R4-25P GT10-C200R4-25P GT10-C300R4-25P GT09-C30R4-25P GT09-C30R4-25P GT09-C300R4-6C GT09-C200R4-6C GT09-C200R4-6C GT09-C200R4-8P GT01-C300R4-8P GT01-C300R4-8P GT10-C10R4-8P GT10-C10R4-8P GT10-C300R4-8P GT10-C300R4-8P GT10-C10R4-8P GT10-C10R4-8PC GT10-C10R4-8PC GT10-C10R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC GT10-C30R4-8PC	3m 10m 20m 30m 3m 10m 20m 30m 10m 20m 30m 10m 20m 30m 1m 3m 10m 20m 30m 1m 30m 1m 30m 20m 30m 10m 20m 30m 20m 30m 30m 30m 30m 30m 30m 30m 3	- -	of GT16 and RS-485 terminal block conversion unit For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between A-658 T-64-53 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 (AJ71QC24(N)-R4) and GOT For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication 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 and GOT/personal computer (GT SoftGOT1000) (D-sub 9-pin) For connection between personal computer (screen design software)	• *6 • *6 • *6	-	- - -	•	•	- + + + + - + + - - - - - -	

Cables

	Product name	oduct name Model name Cable		Third party products				Applicable model *2						
	Floader Hame	Model name	length	*1		GT16	GT15	GT14	GT12	GT11	Handy GOT	GT		
	FX communication function				For connection between FXCPU communication function extension board (D-sub 9-pin connector) and GOT/personal computer (GT SoftGOT1000)							Γ		
	extension board connection	0704 00000 00			(D-sub 9-pin) For connection between FXCPU communication function									
	cable, FX communication	GT01-C30R2-9S	3m	-	adapter (D-sub 9-pin connector) and GOT	•					* 3			
	function adapter connection				For connection between personal computer (screen design software)									
RS-232 cable	cable, Data transfer cable				(D-sub 9-pin, female) and GOT (D-sub 9-pin, female)									
	FX communication function	GT01-C30R2-25P	Зm	_	For connection between FXCPU communication special adapter (D-sub 25-pin	•					* 3			
	adapter connection cable	G101-C30H2-23F	300	_	connector) and GOT, personal computer (GT SoftGOT1000) (D-sub 9-pin)		-		-		~			
	Computer link	GT09-C30R2-9P	3m		For connection between serial communication unit and									
	connection cable	GT09-C30R2-25P	3m	0	GOTFor connection between computer link unit and GOT	•					* 3			
					For connection between AJ65BT-R2N and GOT (GT09-C30R2-9P only)							⊢		
Connector convers	sion box for Handy GOT	GT16H-CNB-42S	-	-	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	-	-	-	-	-	•*	⊢		
		GT16H-C30-42P	3m	-	For connection between connector conversion box and	_		_						
		GT16H-C60-42P GT16H-C100-42P	6m 10m		Handy GOT	-	-	-	-	-	*7			
		GT16H-C100-42P GT16H-C30-32P	3m									┝		
		GT16H-C30-32P GT16H-C50-32P	3m 5m	-	For connection between CC-Link interface unit and									
		GT16H-C50-32P	5m 8m			-	-	-	-	-	* 7			
	FA device, power supply and operation switch		-	-	Handy GOT									
	connection cable	GT16H-C130-32P GT11H-C30-37P	13m 3m									╞		
External	Connection cable	GT11H-C60-37P	6m	1_	For connection between FA device connection	_								
connection cable		GT11H-C100-37P	10m	-	relay cable and GOT			-	-		•••			
		GT11H-C30	3m								-	┝		
-		GT11H-C60	6m	-	For connection between FA device, power supply and	_			_					
		GT11H-C100	10m	-	operation switches and GOT		-	-	-		40			
		GT11H-C30-32P	3m					-				┝		
	Dedicated cable for CC-Link interface unit	GT11H-C50-32P	5m	-	For connection between CC-Link interface unit and									
		GT11H-C80-32P	8m	- 1	Handy GOT	-	-	-	-	-	*8			
		GT11H-C130-32P	13m	1										
		GTTTT-0130-321	10111		For connection between FXCPU and GOT							⊢		
	RS-422, power supply	GT11H-C15R4-8P	1.5m	-	For connection between power supply and operation switches and GOT	-	-	-	-	-	*8			
A device	and operation switch				For connection between A/QnACPU and GOT							⊢		
connection	connection cable	GT11H-C15R4-25P	1.5m	-	For connection between power supply and operation switches and GOT	-	-	-	-	-	•*			
elay cable	RS-232, power supply and				For connection between QCPU and GOT							⊢		
	operation switch connection cable	GT11H-C15R2-6P	1.5m		For connection between power supply and operation switches and GOT	-	-	-	-	-	•**			
					For connection between barcode reader (D-sub 9-pin,							t		
Barcode reader co	nnection cable	GT10-C02H-6PT9P	0.2m	-	male) and GOT (MINI-DIN 6-pin, male) RS-232	-	-	-	-	-	-			
				_	For connection between GOT1000 (external I/O unit) and GOT-A900 external I/O	-	-					t		
External I/O unit co	onnection conversion cable	GT15-C03HTB	0.3m		interface unit connection cable (A8GT-C05TK/A8GT-C30TB/user-fabricated cable)			-	-	-	-			
Analog RGB cable	1	GT15-C50VG	5m	0	For connection between external monitor, personal computer and vision sensor and GOT	•		-	-	-	_	t		
	RS-232/USB conversion				For connection between personal computer (USB) and GOT (RS-232)		-					t		
	adapter for data transfer	GT10-RS2TUSB-5S	-	-	(Adapter and personal computer are connected with GT09-C30USB-5P.)	-	-	-	-	-	-			
JSB cable					For connection between personal computer (USB) and GOT (USB mini-B)	-			-		-	t		
	Data transfer cable	GT09-C30USB-5P	3m	0	For connection between QnUCPU (USB mini-B) and personal computer (GT SoftGOT1000)	•		-	•		•			
					For connection between printer and GOT (printer unit)			-	-	-	-	T		
		GT14-C10EXUSB-4S NEW	1m	-	For extending the LICP and of COT to the events larged	_	-		_	-	-	t		
	iterproof cable	GT10-C10EXUSB-5S	1m	_	For extending the USB port of GOT to the control panel	_	-	_	-	-	-	t		

Cables for third party FA devices

	Product name	Medel neme	el name Cable Iname		rd party oduds GOT connection destination		Applicable model *2						
	Product name	Model name			GOT connection destination	GT16	GT15	GT14	GT12	GT11	Handy GOT	GT10	
	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)/ C31W-SCU21(-V1)/CJ1W-SCU21(-V1)/CJ1W-SCB41(-V1)/CP1W-CIE01								
		GT09-C30R20102-25S	3m	1	Connection cable: CQM1-CIF01								
		GT09-C30R20103-25P	3m	1	Base mount type host link unit: C500-LK201-V1/C200H-LK201-V1	i							
	Cable for	GT09-C30R21101-6P	3m	1	PLC CPU: KV-700/1000/3000								
		GT09-C30R21102-9S	3m	1	Multi-communication unit: KV-L20/KV-L20R/KV-L20V (port 1)						1		
	KEYENCE PLC	GT09-C30R21103-3T	3m	1	Multi-communication unit: KV-L20/KV-L20R/KV-L20V (port 2)								
	Cable for Sharp Manufacturing	GT09-C30R20601-15P	3m	1	PLC CPU: JW-22CU/70CUH/100CUH/100CU								
	Systems PLC	GT09-C30R20602-15P	3m		PLC CPU: JW-32CUH/33CUH/Z-512J								
RS-232	Cables for JTEKT PLC	GT09-C30R21201-25P	3m]	RS-232/RS-422 converter: TXU-2051								
cable	Cable for Shinko Technos digital indicating controller	GT09-C30R21401-4T	3m	0	0	Digital indicating controller: FCR-100/FCD-100/FCR-23A/PC-900/FIR series		•	•	•	•	* 3	
	Cable for	GT09-C30R20501-9P	3m	1	PLC CPU: T2E								
	TOSHIBA PLC	GT09-C30R20502-15P	3m]	PLC CPU: T2N							_	
		GT09-C30R20401-15P	3m		PLC CPU: Large-size H series/H200 to 252 series/H series board type/EH-150 series Intelligent serial port module: COMM-H/COMM-2H								
	Equipment Systems PLC	GT09-C30R20402-15P	3m	1	PLC CPU: H-4010/H-252C/EH-150 series								
	Cable for Hitachi PLC	GT09-C30R21301-9S	3m		Communication module: LQE560/LQE060/LQE160								
	Cable for Fuji Electric FA Components & Systems PLC	GT09-C30R21003-25P	3m		RS-232C interface card: NV1L-RS2 RS-232C/485 interface capsule: FFK120A-C10 General interface module: NC1L-RS2/FFU120B								
		GT09-C30R20901-25P	3m	1	RS-422→232 conversion adapter: AFP8550								
	Cable for Panasonic Corporation	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							*4	
		GT09-C30R20904-3C	3m	1	PLC CPU: FP1-C16CT/C32CT/FPOR								

***: - consistent autore are developed by Millsubishi Electric System & Service Co., LLD., 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 : TBs-422 cables less than 10m and the RS-232 cable less than 3m can be used when the connector conversion box for the Handy GOT is used.
 *4 : Can be used only with the GT105 and GT104.

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For Designers

For Initial Startup & For Maintenance Operations Personnel

GT10

iQ Platform

Process Control External Dimension

List of Connectab Models, etc.

Cables for third party FA devices

	Product n	ame	Model name	Cable	Third party products	GOT connection destination		_		ble m		*2 Handy		
				length	*1		GT16	GT15	GT14	GT12	GT11	Handy GOT	GT10	
			GT09-C30R20201-9P	3m		PLC CPU: GL120/GL130/MP-920/MP-930/CP-9200(H)/PROGIC-8 (port 1) MEMOBUS module: JAMSC-IF60/JAMSC-IF61 Communication module: 217IF/CP-217IF (when connected to CN1)/ 217IF-01/218IF-01								
	Cable for	Electric PLC	GT09-C30R20202-15P	3m		PLC CPU: PROGIC-8 (port 2)	1							
	17101010101	Electric 1 Ee	GT09-C30R20203-9P	3m 2m		PLC CPU: CP-9300MS							*4	
			GT09-C30R20204-14P	3m	-	PLC CPU: MP-940 MEMOBUS module: CP-217IF (when connected to CN2)	-							
RS-232			GT09-C30R20205-25P	3m		Yokogawa Electric personal computer module: LC01-0N/LC02-0N								
cable	Cable for		GT09-C30R20301-9P	3m	1	CPU port/D-sub 9-pin conversion cable: KM10-0C/KM10-0S	•		•			*3		
		Electric PLC	GT09-C30R20302-9P GT09-C30R20305-9S	3m	-	Personal computer link module: F3LC01-1N/F3LC11-1N/F3LC11-1F/F3LC12-1F PLC CPU: NFCP100/NFJT100	-							
	Cable for Yokogawa Electric			3m	1								-	
	temperature	e controller	GT09-C30R20304-9S	3m		Converter: ML2-								
	Cable for Alle		GT09-C30R20701-9S	3m		PLC CPU: SL500 series								
	Cable for	tomation, Inc.) PLC			-								*4	
	Siemens A	G PLC	GT09-C30R20801-9S	3m		HMI adapter								
			GT09-C30R40101-9P	3m	1	PLC CPU: CV500/CV1000/CV2000/CVM1								
			GT09-C100R40101-9P	10m	-	Serial communication unit: CJ1W-SCU41								
			GT09-C200R40101-9P GT09-C300R40101-9P	20m 30m	-	Serial communication board: CQM1-SCB41/CS1W-SCB41 Communication board: C200HW-COM03/COM06								
			GT09-C30R40102-9P	3m	1									
	Cable for		GT09-C100R40102-9P	10m]	Base mount type host link unit: C200H-LK202-V1/C500-LK201-V1								
	OMRON P	LC	GT09-C200R40102-9P	20m	-								-	
			GT09-C300R40102-9P GT09-C30R40103-5T	30m 3m	-								*4	
			GT09-C100R40103-5T	10m	1									
			GT09-C200R40103-5T	20m	1	Communication board: CP1W-CIF11/CP1W-CIF12/CJ1W-CIF11								
			GT09-C300R40103-5T GT09-C30R41101-5T	30m	-		-							
	Cable for		GT09-C100R41101-51	3m 10m	-									
	KEYENCE	PLC	GT09-C200R41101-5T	20m		Multi-communication unit: KV-L20/KV-L20R/KV-L20V (port 2)								
		-	GT09-C300R41101-5T	30m	1									
			GT09-C30R40601-15P	3m	-									
			GT09-C100R40601-15P GT09-C200R40601-15P	10m 20m	-	PLC CPU: JW-22CU/70CUH/100CUH/100CU								
			GT09-C300R40601-15P	30m	1									
	Cable for		GT09-C30R40602-15P	3m	1		1							
	Sharp Mar	ufacturing	GT09-C100R40602-15P	10m	-	PLC CPU: JW-32CUH/33CUH/Z-512J								
	Systems P	LC	GT09-C200R40602-15P GT09-C300R40602-15P	20m 30m	-									
			GT09-C30R40603-6T	3m										
			GT09-C100R40603-6T	10m		Link unit: JW-21CM/JW-10CM/ZW-10CM								
			GT09-C200R40603-6T	20m	-									
			GT09-C300R40603-6T GT09-C30R41201-6C	30m 3m	-									
	Cable for		GT09-C100R41201-6C	10m	-	PLC CPU: PC3J/PC3JL								
	JTEKT PLC		GT09-C200R41201-6C	20m		Communication module: PC/CMP2-LINK								
			GT09-C300R41201-6C	30m										
			GT09-C30R40501-15P	3m	-									
			GT09-C100R40501-15P GT09-C200R40501-15P	10m 20m	1	PLC CPU: T2/T3/T3H/model3000(S3)								
			GT09-C300R40501-15P	30m	-	-								
			GT09-C30R40502-6C	3m				1						-
	Cable for TOSHIBA		GT09-C100R40502-6C GT09-C200R40502-6C	10m		PLC CPU: T2E/model2000(S2)								
RS-422	IUSHIDA	PLC	GT09-C200R40502-6C	20m 30m	-									
cable			GT09-C30R40503-15P	3m	1		*5		•			*3		
			GT09-C100R40503-15P	10m]	PLC CPU: T2N								
			GT09-C200R40503-15P	20m 30m	-									
			GT09-C300R40503-15P GT09-C30R40401-7T	30m	1									
	Cable for Hitachi Ind	uetrial	GT09-C100R40401-7T	10m		Intelligent serial port module: COMM-H/COMM-2H								
		Systems PLC	GT09-C200R40401-7T	20m		Intelligent senal port module. COMM-1/COMM-21								
			GT09-C300R40401-7T GT09-C30R41301-9S	30m 3m	-									
	Cable for		GT09-C100R41301-9S	10m	1	PLC CPU: LQP510								
	Hitachi PL	C	GT09-C200R41301-9S	20m		Communication module: LQE565/LQE165								
			GT09-C300R41301-9S	30m	-		{							
		uji Electric FA	GT09-C30R41001-6T GT09-C100R41001-6T	3m 10m	1	RS-232C/485 interface capsule: FFK120A-C10								
		ts & Systems	GT09-C200R41001-6T	20m	1	General interface module: NC1L-RS4/FFU120B								
	PLC		GT09-C300R41001-6T	30m									<u> </u>	
			GT09-C30R40201-9P GT09-C100R40201-9P	3m 10m	-									
			GT09-C200R40201-9P	20m	1	MEMOBUS module: JAMSC-120NOM27100/JAMSC-IF612								
	Cable for		GT09-C300R40201-9P	30m										
	Yaskawa E	lectric PLC	GT09-C30R40202-14P	3m									*4	
			GT09-C100R40202-14P GT09-C200R40202-14P	10m 20m	-	PLC CPU: MP940								
			GT09-C300R40202-14P	30m										
			GT09-C30R40301-6T	3m	1		1							
			GT09-C100R40301-6T	10m	-	Personal computer link module: F3LC11-2N								
			GT09-C200R40301-6T GT09-C300R40301-6T	20m 30m	1									
		PLC	GT09-C30R40302-6T	30m	1		1							
			GT09-C100R40302-6T	10m	1	Personal computer link module: C02.0N								
	Cable for		GT09-C200R40302-6T	20m	-	Personal computer link module: LC02-0N								
	Yokogawa		GT09-C300R40302-6T	30m	-								-	
	Electric		GT09-C30R40303-6T GT09-C100R40303-6T	3m 10m	1									
			GT09-C200R40303-6T	20m	1	Temperature controller: GREEN series								
	GT09-C200F40303-6T 20m Temperature controller: GHEEN senes Temperature GT09-C300R40303-6T 30m controller GT09-C30R40304-6T 3m		GT09-C300R40303-6T	30m]									
			1	1	l I	1		1	1					
		controller												
		controller	GT09-C30R40304-6T GT09-C100R40304-6T GT09-C200R40304-6T	10m 20m		Temperature controller: UT2000 series								

*2 : The applicable connection configuration and cable vary depending on the GOT main unit. For more details, see the GOT1000 Series Handbook and the GOT1000 Series Connection Manual *3 : RS-422 cables less than 10m and the RS-232 cable less than 3m can be used when the connector conversion box for the Handy GOT is used.

*4 : Can be used only with the GT105 and GT104.

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

Notes for use

Backward compatibility

Project data

GT Designer/GT Designer2 → GT Works3 compatibility * Project data created in GT Designer2 can be used in GT Works3. Project data created in GT Designer can be used in GT Works3 after the data is converted by GT Designer2/GT Designer2 Classic.

GOT900 series → GOT1000 series compatibility *

Using data from the GOT-A900 series

Project data for the GOT-A900 series can be used in the GOT1000 series. For the details, see Technical Bulletin No.GOT-A-0009 "Precautions when Replacing GOT-A900 Series with GOT1000 Series"

Using data from the GOT-F900 series

Project data for the GOT-F900 series can be used in the GOT1000 series. For the details, see "Replacement Guidance (for GOT1000 Series) - From GOT-F900/A950 Handy Series to GOT1000 Series" (JY997D39301). *Some data and functions cannot be used in the GOT1000 series.

Selection of optional units and devices

Using the optional functions listed in the table below may require optional devices or units as shown. Note that the availability of the function or the required optional units and devices may vary depending on the model of the GOT main unit. Functions not listed in the table below may also require a memory card or a USB memory device depending on the application. For details, see "Function list" (page 70 to page 73) and "GT

Designer3 Version1 Screen Design Manual."

An optional function board or a memory card may be necessary depending on the function version and hardware version of the GOT main unit or available space of the user area. For details, see "Optional function board, memory card (CF card, SD card), and USB memory selection <GT16/GT15/GT14/GT12/GT11>" (page 82 to page 83).

	Function			ed optional units and devices	0740	0740		
		GT16	GT16 Handy	GT15	GT14	GT12	GT11**	GT1
Memory exte	ension	CF card	CF card	Optional function board: GT15-QFNB M or GT15-MESB48M CF card	SD card	-	-	-
Multi-channe	el function	Not necessary	Not necessary	Optional function board: GT15-QFNB(M) or GT15-MESB48M	Not necessary	Not necessary	-	-
		Multimedia unit: GT16M-MMR CF card for multimedia	-	-	-	-	-	-
	Video input*1 *2	ideo input*1*2 Video input unit: GT16M-V4 or Video/RGB input unit: GT16M-V4R1		Video input unit: GT15V-75V4 or Video/RGB input unit: GT15V-75V4R1	-	-	-	-
/ideo/RGB unction	RGB input*1 *2	RGB input unit: GT16M-R2 or Video/RGB input unit: GT16M-V4R1	_	RGB input unit: GT15V-75R1 or Video/RGB input unit: GT15V-75V4R1	-	_	_	-
	RGB output*1*2	RGB output unit: GT16M-ROUT	-	RGB output unit: GT15V-75ROUT	-	-	-	-
CF card unit	/CF card extension unit	CF card unit: GT15-CFCD or CF card extension unit: GT15-CFEX-C08SET	-	CF card unit: GT15-CFCD or CF card extension unit: GT15-CFEX-C08SET	-	-	-	-
Sound outpu	ut function	Sound output unit: GT15-SOUT	-	Sound output unit: GT15-SOUT	-	-	-	- 1
Remote pers function (ser	sonal computer operation ial)*1 *2	RGB input unit: GT16M-R2 or Video/RGB input unit: GT16M-V4R1	-	RGB input unit: GT15V-75R1 or Video/RGB input unit: GT15V-75V4R1	-	-	-	-
External input/output function, operation panel function		External input/output unit: GT15-DIO or GT15-DIOR	-	External input/output unit: GT15-DIO or GT15-DIOR	-	-	-	-
File transfer function (FTP client)		USB memory device or CF card	USB memory or CF card	Ethernet communication unit: GT15-J71E-100 CF card	USB memory or SD card	_	-	-
Gateway function		Not necessary	Not necessary	Ethernet communication unit: GT15-J71E71-100	Not	Not	-	-
MES interface function		Optional function board: GT16-MESB	-	Ethernet communication unit: GT15-J71E71-100 Optional function board: GT15-MESB48M	-	-	-	-
Document display function CF card		CF card	CF card	Optional function board: GT15-QFNB(M) or GT15-MESB48M CF card	-	_	-	-
Operation lo	g function	CF card	CF card	CF card	-	-	-	- 1
Backup/rest	oration function	USB memory device or CF card	USB memory or CF card	CF card	USB memory or SD card	CF card	-	-
Maintenance	e time notification function	Not necessary (equipped with battery as standard feature)	Not necessary (equipped with battery as standard feature)	Battery: GT15-BAT	_	_	_	-
CNC data in	put/output function*3	USB memory device or CF card	-	CF card	-	-	-	
	itor function*4 Q/L/QnA ladder monitor	Not necessary	Not necessary	Optional function board: GT15-QFNB(⊟M) or GT15-MESB48M	-	_	-	-
SFC monitor	r function*4	CF card	CF card	Optional function board: GT15-QFNB_M or GT15-MESB48M CF card	-	-	-	-
Motion SFC	monitor function*4	CF card	CF card	Optional function board: GT15-QFNB M or GT15-MESB48M CF card	-	-	-	-
Ladder edito	or function*5	CF card	CF card	Optional function board: GT15-QFNB M or GT15-MESB48M CF card	-	-	-	-
Report funct	ion	Printer unit: GT15-PRN (when PictBridge-compatible printer is used) CF card	_	Printer unit: GT15-PRN (when PictBridge-compatible printer is used) CF card	-	_	_	
Hard copy	Saving files on memory card	CF card	CF card	CF card	SD card*7	CF card	-	-
unction	Printing by printer (serial)	Not necessary	-	Not necessary	Not necessary	-	-	nece
	Printing by printer (PictBridge)	Printer unit: GT15-PRN	_	Printer unit: GT15-PRN	L _	_	_	.

Cables

- For details on using the GOT-A900 series bus connection cables, RS-422 cables and RS-232 cables with the GOT1000 series, see Technical Bulletin No.GOT-A-0009. • For details regarding use of the GOT-F900 series RS-422 cable with the GOT1000,
- please contact your local sales office. • The bus connection cables, RS-422 cables and RS-232 cables for the GOT1000 series
- cannot be used for the GOT900 series. (For details regarding use of bus connection cables in systems where both the
- GOT-A900 and GOT1000 series coexist, see Technical Bulletin No. GOT-A-0009.) Panel cut dimensions
- GOT900 series → GOT1000 series compatibility
- The A985GOT(-V) and GT1685/GT1585, A975/970GOT(-B) and GT167 /GT157, F940GOT and GT1655/GT155 /GT145 /GT115 /GT105 have the same panel dimensions, respectively. Therefore, it is not necessary to change the mounting hole size.
- Although the A95 differs in panel cut dimensions from the GT1655, GT155, GT115 -Q BDQ and GT115 -Q BDA, the GOT900 series model can be replaced with any of the GOT1000 series ones without changing the mounting hole size.

: Function that cannot be used on the model

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GT10

iQ Platfo

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MELSEC Process Control

Spec. External

List of Connec Models, etc

Optional function board, memory card (CF card, SD card), and USB memory selection <GT16/GT15/GT14/GT12/GT11>

When using the GT16

Necessary optional function board when using optional functions
 The following optional functions

The following optional function board is necessary when using optional functions						
Function	Necessary optional function board					
MES interface function	GT16-MESB					
Optional function other than the above	Not necessary					
(Befer to P.84 [Table A])	Not necessary					

Storage memory (ROM) and operation memory (RAM)

The GOT operates by decompressing the OS and project data, which is stored in the storage memory (ROM), into the operation memory (RAM). Since the GT16 compresses some data before storing it in the storage memory (ROM), the data size becomes larger when decompressed in the operation memory (RAM).

The GT16 has a 15MB* built-in flash memory for storage memory (ROM) as a standard feature. The CF card expands the memory capacity if the OS and project data exceeds 15MB*. The GT16 has a 57MB* operation memory (RAM) as a standard feature. The operation memory is not extendable.

The built-in flash memory is for "drive C". The CF card is for "drive A (standard)" or "drive B (extension)."



*: Differs depending on the GOT main unit model.

Data types, capacities, and CF card selection

The data types and capacities are as shown in the table below.

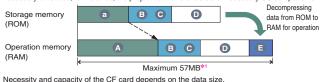
Data type	Data capacity
Extended function OS and optional function OS stored in ROM	Capacity of "GT16(ROM)" in [Table A] on page 84
A Extended function OS and optional function OS decompressed in RAM	Capacity of "GT16(RAM)" in [Table A] on page 84
B Communication driver	Check with [Table B] on page 84.
C Special data	Check with screen design software.
D Project data	Check with screen design software.
Buffering area	Check with screen design software.

As for the extended function OS and optional function OS, when decompressing the compressed data (3) in the storage memory (ROM) to the operation memory (RAM), the data size becomes larger as shown in (A).

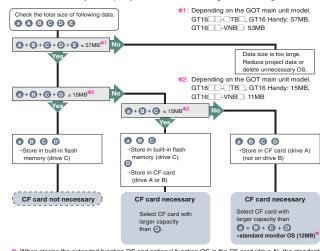
The buffering area () is an area for storing resource data for the functions such as logging and advanced alarms. It uses the operation memory (RAM). The data size differs depending on the setting.

When the file save mode is specified in the screen design software, the accumulated resource data is stored in the designated storage (drive A or B). (The storage memory (ROM) is not used.)

If the size of data decompressed on the operation memory (RAM) exceeds 57MB*1, it is necessary to reduce, for instance, the project data size or delete unnecessary OS components



Necessity and capacity of the CF card depends on the data size. Determine the necessity and capacity of the CF card according to the following flow chart



*: When storing the extended function OS and optional function OS in the CF card (drive A), the standard monitor OS (standard monitor OS, standard font, etc.) needs to be stored in the CF card (drive A).

CF card and USB memory capacities

The CF card and USB memory capacities are as follows. FAT16 format: max. 2GB, FAT32 format: max. 32GB.

(Boot OS and standard monitor OS of GT Designer3 Ver.1.17T or later must be installed in order to use a CE card or USB memory with a canacity exceeding 2GB. Such CE cards are

order to use a CF card or USB memory with a capacity exceeding 2GB. Such CF cards and USB memories cannot be used with GT Works2 / GT Designer2.)

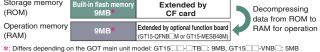
When using the GT15

Necessary optional function board when using optional functions
 The following optional function board is necessary when using optional functions

Funct		Necessary optional function boar				
MES interface function		GT15-MESB48M				
SFC monitor function Motion SFC monitor function		GT15-QFNB M or GT15-MESB48M				
Multi-channel function Document display function MELSEC-Q/L/QnA ladder moni	tor function	GT15-QFNB (□M) or GT15-MESB48M				
Optional function other than the above	GT15 function version D or later	Built in the GOT main unit (It is necessary to install the standard monitor OS on the GOT by using GT Designer2 Version 2.55H or later).				
(Refer to P.84 [Table A])	GT15 function version C or earlier	GT15 (- Q) FNB (M) or GT15-MESB48M				

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

The built-in flash memory is for "drive C". The CF card is for "drive A (standard)" or "drive B (extension)."



Data types, capacities, and selection of CF card and

optional function board

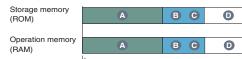
The data types and capacities are as shown in the table below

Data type	Data capacity
A Extended function OS, optional function OS	Capacity of "GT15" in [Table A] on page 84
B Second communication driver and onwards	150KB for each
Special data	Check with screen design software.
D Project data	Check with screen design software.
Buffering area	Check with screen design software.
-	

The buffering area ③ is an area for storing resource data for the functions such as logging and advanced alarms. It uses the operation memory (RAM). The data size differs depending on the setting.

When the file save mode is specified in the screen design software, the accumulated resource data is stored in the designated storage (drive A or B). (The storage memory (ROM) is not used.)

If the size of data decompressed on the operation memory (RAM) exceeds 57MB*1, it is necessary to reduce, for instance, the project data size or delete unnecessary OS components



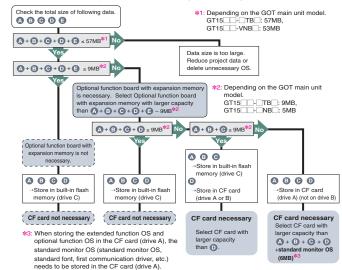
Maximum 57MB*1

Decompressing

data from ROM to

RAM for operation

Necessity and capacity of the optional function board with expansion memory and the CF card depends on the data size. Determine the necessity and capacity of the optional function board with expansion memory and the CF card according to the following flow chart.



CF card capacities

The CF card capacities are as follows. FAT16 format: max. 2GB, FAT32 format: not usable

When using the GT14

Necessary optional function board when using optional functions No optional function board is required when using the optional functions or extended functions. Some functions, however, may require a SD card due to OS installation. See below for details.

Storage memory (ROM) and operation memory (RAM)

The GOT operates by decompressing the OS and project data, which is stored in the storage memory (ROM), into the operation memory (RAM). Since the GT14 compresses some data before storing it in the storage memory (ROM), the data size becomes larger when decompressed in the operation memory (RAM).

The GT14 has a built-in flash memory (9MB for project data, 5MB for optional functions) for storage memory (ROM) as a standard feature. The SD card expands the memory capacity if the OS and project data exceeds 5MB.

The GT14 has a 20MB operation memory (RAM) as a standard feature. The operation memory is not extendable.

The built-in flash memory is for "drive C". The SD card is for "drive A (standard)"

Storage memory (ROM)	Built-in flash memory (for project data) 9MB	Built-in flash memory (for extended functions, optional functions) 5MB	Extended by SD card	Decompressing data from ROM
Operation memory (RAM)	User memory (for project data) 9MB	(for extended function	memory ons, optional functions) DMB	to RAM for operation

Data types, capacities, and SD card selection

The data types and capacities to store in the GOT are as shown in the table below

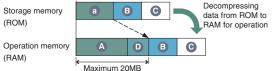
Data type	Data capacity
Extended function OS and optional function OS stored in ROM	Capacity of "GT14(ROM)" in [Table A] on page 84
A Extended function OS and optional function OS decompressed in RAM	Capacity of "GT14(RAM)" in [Table A] on page 84
B Communication driver	Check with [Table B] on page 84.
C Project data	Check with screen design software
D Buffering area	Check with 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**).

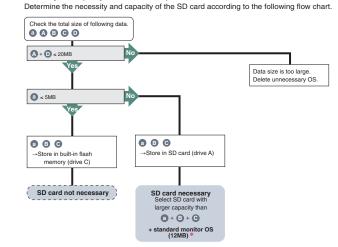
The buffering area ① is an area for storing resource data for the functions such as logging and advanced alarms. It uses the operation memory (RAM). The data size differs depending on the setting.

When the file save mode is specified in the screen design software, the accumulated resource data is stored in the designated storage (drive A or D). (The storage memory (ROM) is not used.) If the size of data decompressed on the operation memory (RAM) exceeds 20MB, it is

necessary to reduce, for instance, the project data size or delete unnecessary OS components.



Necessity and capacity of the SD card depends on the data size.



*: When storing the extended function OS and optional function OS in the SD card (drive A), the standard monitor OS (standard monitor OS, standard font, etc.) needs to be stored in the SD card (drive A).

SD card and USB memory capacities

The SD card and USB memory capacities are as follows FAT16 format: max, 2GB, FAT32 format: max, 32GB,

When using the GT11

Necessary optional function board when using optional functions				
The following optional function board is necessary when using the optional functions in [Table A] in page 84.				
GOT type	Necessary optional function board			
GT115-Q_BDQ, GT115-Q_BDA, GT1155-QTBD, GT115-Q_BD (hardware version C or later), GT115_HS-Q_BD (hardware version B or later)	Built in the GOT main unit			
GT11 other than the above	GT11-50FNB			

When using the GT12

Necessary optional function board when using optional functions
 No optional function board is required when using the optional functions or extended functions.
 Some functions, however, may require a CF card due to OS installation.
 See below for details.

Storage memory (ROM) and operation memory (RAM) The GOT operates by decompressing the OS and project data, which is stored in the

storage memory (ROM), into the operation memory (RAM). The GT12 has a 9MB built-in flash memory for storage memory (ROM) as a standard feature. The CF card expands the memory capacity if the OS and project data exceeds 9MB. Up to 6MB of project data can be stored in the storage memory (ROM) or a CF card. When storing the project data to the storage memory (ROM), the maximum size of the project data may be less than 6MB depending on the data size of the extended function OS,

optional function OS, and communication drivers. The GT12 has a 12MB operation memory (RAM) as a standard feature. The operation memory is not extendable.

The extended function OS, optional function OS, and communication drivers occupy 6MB of the operation memory (RAM). The remaining 6MB of the operation memory (RAM) is used for the project data and the buffering area.

Storage memory	Built-in flash memory	Extended by	Decompressing
(ROM)	9MB	CF card	data from ROM to
Operation memory (RAM)	12MB		RAM for operation

The built-in flash memory is for "drive C". The CF card is for "drive A (standard)".

■ Data types, capacities, and CF card selection The data types and capacities are as shown in the table below.

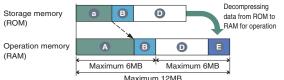
Data type	Data capacity
Extended function OS and optional function OS stored in ROM	Capacity of "GT12(ROM)" in [Table A] on page 84
A Extended function OS and optional function OS decompressed in RAM	Capacity of "GT12(RAM)" in [Table A] on page 84
B Communication driver	Check with [Table B] on page 84.
D Project data	Check with screen design software.
Buffering area	Check with 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).

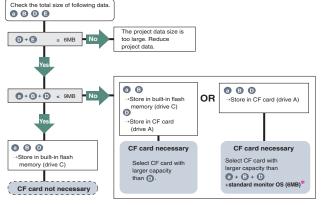
Up to 6MB of the operation memory (RAM) can be used for the total of the data (3) and the data (3). The buffering area (3) is an area for storing resource data for the functions such as logging

and advanced alarms. It uses the operation memory (RAM). The data size differs depending on the setting.

When the file save mode is specified in the screen design software, the accumulated resource data is stored in the designated storage (drive A). (The storage memory (ROM) is not used.) Up to 6MB of the operation memory (RAM) can be used for the total of the project data **1** and the buffering area **1**. If the total data size exceeds 6MB, it is necessary to reduce, for instance, the project data size or delete unnecessary OS.



Necessity and capacity of the CF card depends on the data size. Determine the necessity and capacity of the CF card according to the following flow chart.



*: When storing the extended function OS and optional function OS in the CF card (drive A), the standard monitor OS (standard monitor OS, standard font, etc.) needs to be stored in the CF card (drive A).

CF card capacities

The CF card capacities are as follows. FAT16 format: max. 2GB, FAT32 format: not usable

CF card capacities

The CF card capacities are as follows. FAT16 format: max. 2GB, FAT32 format: not usable

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Notes for use

[Table A] Used capacity of extended functional OS and optional function OS

		User area size to be used (KB)				3)			
			Function	GT16/G	T12*13	OTIE	GT	14	0711
				RAM	ROM	GT15	RAM	ROM	GT11
	Barcode	*13		84	50	84	83	83	*1
	RFID*1			166	50	166	166	166	*1
	System		itor*13	692	450	746	691	691	*1
	Report			235	150	235	None	None	None
	Printer (PictE	Bridge)	1104	552	1104	None	None	None
	Printer (seria	l)	200	80	200	200	200	None
	Device r	name	conversion library*12 *14	800	400	800	800	800	None
		Stro	ke font support function	400	300	400	1300	400	None
	Stroke	Stro	ke basic font (Japanese)	2160	2160	2160	2160	2160	None
	font	Stro	ke basic font (Japanese) (with Hangul)	3175	3175	3175	3175	3175	None
			ke basic font (Chinese: Simplified)	1474	1474	1474	1474	1474	None
			e basic font (Chinese: Simplified) (with Hangul)	2016	2016	2016	2016	2016	None
suc	Video display RGB display			480	298	512	None	None	None
ictic	Multime	dia		1074	292	None	None	None	None
fun			onal computer operation (Ethernet)	5130	860	None	None	None	None
led	Remote per computer	sonal	Video/RGB	480	292	512	None	None	None
Extended functions	operation (s		Remote personal computer operation (serial)	84	50	84	None	None	None
Ext	VNC [®] s			8192	512	None	None	None	None
	Backup/	resto	pration*12 *13	766	420	820	766	766	None
	Operato authentica		Operator authentication	730	460	784	None	None	None
	USB mo	ouse/	keyboard function	200	80	None	200	200	None
	Audio o	utput		200	100	200	None	None	None
	Externa	I I/O,	operation panel	100	70	100	None	None	None
	CNC da	ta	CNC data input/output	383	210	437	None	None	None
	input/ou	tput	GOT platform library	200	77	100	None	None	None
	Device of	data	transfer	100	50	100	100	100	None
	MELSE	C-Lt	roubleshooting function	770	340	None	None	None	None
	SoftGO [*]	T-GC	T link function	200	100	200	None	None	None
	Log viev			3882	1434	None	None	None	None
			function (FTP client)	1300	300	1300	1300	1300	None
			time notification	*2	*2	*2	None	None	None
	Multi-ch	anne		*2	*2	*2	*2	*2	None
			Standard font (Chinese: Simplified)	1280	1280	1280	1280	1280	None
			Standard font (Chinese: Traditional)	1920	1920	1920	1920	1920	None
	Chinese		Standard font (Japanese)	1280	1280	1280	1280	1280	None
	region		Stroke font (Japanese)	1037	1037	1037	1036	1036	None
			Stroke font (Chinese: Simplified)	1248	1248	1248	1248	1248	None
	Onert		Stroke font (Chinese: Traditional)	1680	1680	1680	1680	1680	None
SUC	Operatio			1221	384	1218	None	None	None
Optional functions	Document display Kana-Kanji conversion Kana-Kanji conversion (enhanced version) Historical data list display ≹3 ≭13		3072 Nono	150 Nono	2048 1223	None None	None None	None None	
fun			None 2774	None 1242	1223 2774	None None	None	None None	
nal			2774 *2	1242 *2	2774 * 2	None *2	None *2	None	
otior			a list display*3 *13 nd graph*3 *13	*2	*2	*2	*2	*2	None
ŏ	Logging			710	380	740	710	710	None
	Recipe			100	70	100	100	100	*1
	Advance		cipe	1187	310	1241	1024	1024	None
	Object s			360	180	360	360	360	None
		pr	MELSEC-A ladder monitor	674	342	523	None	None	None
	Ladder		MELSEC-FX ladder monitor	674	342	592	None	None	None
	monitor		MELSEC-Q/L/QnA ladder monitor	4170	590	1082	None	None	None
	A list edito	r*13	MELSEC-A list editor	1024	542	1058	1024	1024	*1
			MELSEC-FX list editor	1024	542	1058	1024	1024	*1
			it monitor	770	390	384	None	None	None
	Network			370	210	324	None	None	None
_									

		User area size to be used (KB)				3)		
	Function		GT16/GT12*13		GT15	GT14		GT11
		RAM	ROM	GIIJ	RAM	ROM	GITT	
Q motion monitor		770	390	607	None	None	None	
Servo amplifier monitor		770	390	524	None	None	None	
CNC monitor		770	390	588	None	None	None	
	SFC monitor	GOT platform library	200	77	100 *5	None	None	None
s		SFC monitor	2108	442	1373 *5	None	None	None
b	*7	GOT function extension library	19381	4729	4729 *5	None	None	None
Optional functions	Motion SFC	GOT platform library	200	77	100 *11	None	None	None
12	monitor*10	Motion SFC monitor	12522	1240	2477 *11	None	None	None
ona	Ladder	GOT platform library	200	77	100 *6	None	None	None
b	editor	Ladder editor	8192	2567	5121 *6	None	None	None
0	*8	GOT function extension library	19381	4729	4729 *6	None	None	None
		Gateway (server, client)	100	50	100	100	100	None
	Gateway	Gateway (mail)	100	50	100	100	100	None
		Gateway (FTP server)*13	84	50	64	84	84	None
	MES interfac	e	13461	1598	3196 <mark>*9</mark>	None	None	None
1	: Requires ins	tallation of the optional function OS and	extended	d function	OS, but	does not	use the u	iser area.

tion of the optional function OS and exten

Installation of the optional function OS is not required.
 It is necessary to specify the logging function and install the optional function OS (logging) in advance.
 It is necessary to specify the logging function and install the optional function OS (logging) in advance.
 Necessary when using the GOT project data that is automatically created by PX Developer (Ver. 1.15 or later).
 For details, see "PX Developer Version 1 Operating Manual (GOT Screen Generator)(SH-080772ENG).*

: To use the SFC monitor, free space of 6202KB or more is necessary in the user area of the specified drive for installing the extension function QS and optional function QS. The total capacity of the me necessary depending on the GOT to be used.

<Table 1>

GOT	Necessary setting	
GT157	 Set boot source of OS to "A: standard CF card." 	
GT157VN, GT1562-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
- memory capacity of 16MB or more. *7 : To use the SFC monitor, it is necessary to install all of the GOT platform library, SFC monitor and GOT function extension library.
- *8 : To use the ladder editor, it is necessary to install all of the GOT platform library, ladder editor and GOT function extension library.
- *9 : The operation of the MES interface function uses 8218KB of the extended memory (GT15-MESB48M(48MB)) of GT15's operation memory.
 *10: To use the motion SFC monitor, it is necessary to install all of the GOT platform library and motion SFC
- *11 : To use the motion SEC monitor, free space of 2577KB or more is necessary in the user area of the specified
- To use the motion of motion, the space of a motion is necessary in the user area of the specific 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 12622KB. For the above reasons, mount an optional function board with a memory capacity of 16MB or more.
- *12: The device name conversion library (extended function) is required when confirming the trigger device on the GOT using the backup/restoration function and when outputting the device *13: Function usable with the GT12. *14: The GT12 user usage area is as follows. RAM: 500KB, ROM: 250KB oration function and when outputting the device name using the operation log function.

[Table B] Capacity of communication driver

	· · · · · · · · · · · · · · · · · · ·			
Units connected	Units connected Communication driver name			
	Bus connection Q	180		
Mitsubishi PLC,	A/QnA/L/QCPU, LJ71C24, QJ71C24	180		
motion controller,	MELSEC-FX	180		
robot controller,	MELSECNET/H	200		
CNC	CC-Link IE Controller Network	200		
	CC-Link IE Field Network	230		
	JTEKT Corporation TOYOPUC-PC	160		
Third party PLC,	GE Fanuc Automation Corporation	180		
motion controller	Ethernet (Yaskawa Electric Corporation)	160		
	Ethernet (SIEMENS S7)	200		
Microcomputer	Microcomputer connection, Ethernet (microcomputer)	230		
Communication drivers othe	r than above	150		

To use the multi-channel function <GT16/GT15/GT14/GT12>

The multi-channel function is designed to connect and monitor multiple FA devices by mounting multiple communication units on a single GOT unit or by using the standard interface.

- Acceptable combinations
- The following connection combinations can be used for the multi-channel function. When using GT16:
- 1)Bus connection or network connection *1 + serial connection *2
- Bus connection or network connection *1 + Ethernet connection *3
 Ethernet connection *3 + serial connection *2
- Bus connection or network connection *1 + Ethernet connection *3 + serial connection *2
- (5)Serial connection * 6 Ethernet connection *3
- * GT16 Handy can be connected only by methods (3) or (6).

When using GT15:

()Bus connection, network connection *1, or Ethernet connection *3 + serial connection *2 2 Serial connection *

When using GT14:

1)Ethernet connection *3 + serial connection *2 2)Serial connection *2

When using GT12:

- 1)Ethernet connection *3 + serial connection *2 2)Serial connection *2
- *1: The network connections include the following connection configurations.
- MELSECNET/H connection * MELSECNET/10 connection
 CC-Link IE Controller Network connection
 CC-Link IE Field Network connection CC-Link connection (ID)
- *2: The serial connections include the following connection configurations. CPU direct connection • Computer link connection • CC-Link connection (via G4)
 Microcomputer connection (serial) • Connection with third party PLCs (serial)
 Temperature controller connection • Inverter connection • Servo amplifier connect CNC connection (CPU direct connection)
 GOT multi-drop connection MODBUS®/BTU connection
 Bobot controller connection (serial)

- *3: The Ethernet connections include the following connection configurations.
- Ethernet connection in 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 to the GOT using any of the following methods.
- Stack communication units on the extension interface.
- (b) Mount communication units on the extension interface to use the unit in combination
- with the standard interface. The number of mountable units and mounting stages vary depending on the GOT model. See Table C on the following page. *: The performance of GOT may be affected depending on the configuration of conr *: Up to two channels can be connected to the GT12.
- No communication units can be mounted on the GT12.

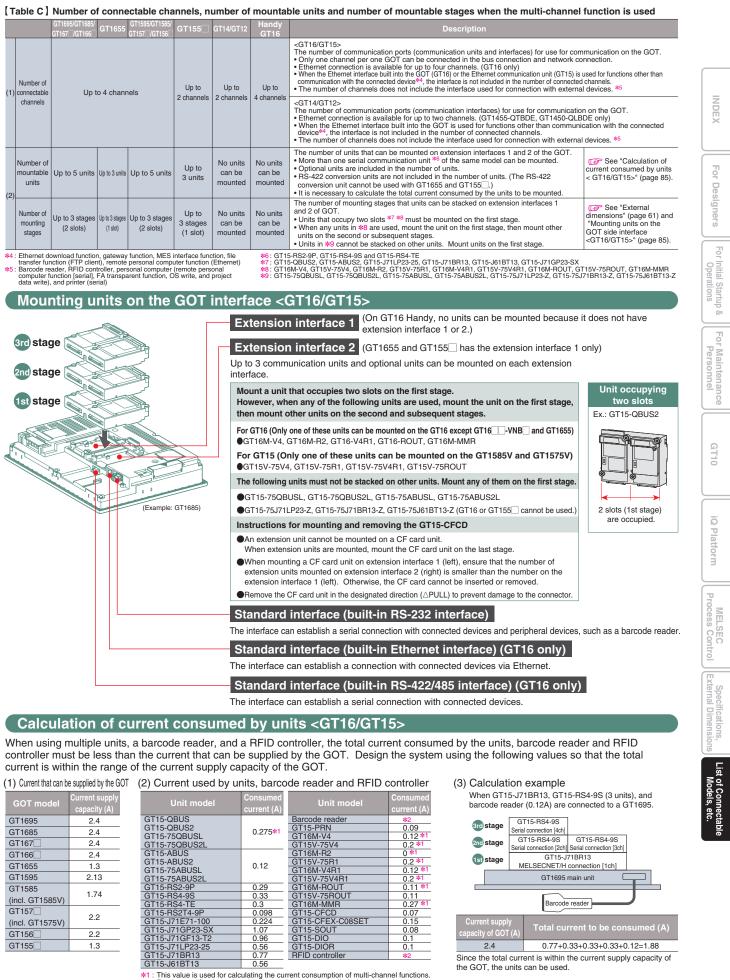
Optional function board

Not necessary when using the GT16, GT14, and GT12. The GT15 requires an optional function board. Use the optional function board GT15-QFNB(\square M) or GT15-MESB48M. The GT15-FNB cannot be used.

- Communication driver
- A communication driver must be installed for each of the connection configurations For the GT16 and GT14, the communication driver is installed in the user area. For the GT15, communication drivers for the second and subsequent channels will be talled in the user area.

For the GT12, the communication driver is installed in the system area.

		GT1695/GT1685/ GT167 /GT166	GT1655	GT1595/GT1585/ GT157 /GT156	GT155	GT14/GT12	Handy GT16	
(1)	Number of connectable	Up t	o 4 chanr	iels	Up to 2 channels	Up to 2 channels	Up to 4 channels	<gt16 gt15=""> The number of c • Only one chann • Ethernet conne • When the Etherne communication w • The number of</gt16>
	channels					2 channels	4 channels	<gt14 gt12=""> The number of c • Ethernet conne • When the Ethernet device*⁴⁴, the in • The number of</gt14>
(2)	Number of mountable units	Up to 5 units	Up to 3 units	Up to 5 units	Up to 3 units	No units can be mounted	No units can be mounted	The number of u • More than one • Optional units a • RS-422 conver conversion unit • It is necessary
,	Number of mounting stages	Up to 3 stages (2 slots)	Up to 3 stages (1 slot)	Up to 3 stages (2 slots)	Up to 3 stages (1 slot)	No units can be mounted	No units can be mounted	The number of m and 2 of GOT. • Units that occu • When any units units on the sec • Units in * 9 can
	4: Ethernet download function, gateway function, MES interface function, file transfer function (FTP client), remote personal computer function (Ethernet) - Reared mode (PEID control large control l							



current is within the range of the current supply capacity of the GOT.

•••••		(_) = ======
GOT model	Current supply capacity (A)	Unit m
T1695	2.4	GT15-QBUS
T1685	2.4	GT15-QBUS2 GT15-75QBUS
T167	2.4	GT15-75QBUS
T166	2.4	GT15-ABUS
T1655	1.3	GT15-ABUS2 GT15-75ABUS
T1595	2.13	GT15-75ABUS
T1585		GT15-RS2-9P
ncl. GT1585V)	1.74	GT15-RS4-9S GT15-RS4-TE
T157		GT15-RS4-TE
ncl. GT1575V)	2.2	GT15-J71E71-
T156	2.2	GT15-J71GP23
T155	1.3	GT15-J71GF13 GT15-J71LP23
		GT15-J71BR13
		OTIE INIDTIC

 *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)

MELSOFT GT Works3 (English version) operating environment

Item	Description			
Personal computer	PC/AT compatible machine on which the following OS operates			
DS (English, Simplified Chinese, Traditional Chinese, Korean, German versions)	Microsoft [®] Windows [®] 7 (64bit/32bit) (Enterprise, Ultimate, Professional, Home Premium, Starter) Microsoft [®] Windows Vista [®] (32bit) (Enterprise, Ultimate, Business, Home Premium, Home Basic) Microsoft [®] Windows [®] XP Service Pack2 or later (32bit) (Professional, Home Edition) Microsoft [®] Windows [®] 2000 Professional Service Pack4			
CPU	1GHz or more recommended			
Required memory	Microsoft [®] Windows [®] 7, Microsoft [®] Windows Vista [®] : 1GB or more recommended Microsoft [®] Windows [®] XP, Microsoft [®] Windows [®] 2000: 512MB or more recommended			
Display	Resolution XGA (1024 x 768 dots) or more			
Available hard disk space	To install GT Designer3: 2GB or more recommended To run GT Designer3: 512MB or more recommended			
Display colors	High Color (16 bits) or more			
	Simulation on a PC requires the following software: •GX Works2 version 1.12N or later* ¹ or GX Simulator version 5.00A or later *1. * The applicable software version of GX Works2 or GX Simulator varies depending on the PLC CP			
	PLC CPU to be simulated	GX Simulator version	GX Works2 versio	
	QCPU (A mode), ACPU, motion controller CPU (A series)	5.00A or later	_	
	QnACPU			
	FX ₀ series, FX _{0N} series, FX _{0S} series,			
	FX1 series, FX1N series, FX1Nc series, FX1s series,	5.40E or later	1.24A or later	
	FX2 series, FX2c series, FX2N series, FX2NC series			
	QCPU (Q mode) (except Q00J/Q00/Q01CPU)		1.12N or later	
Software	Q00JCPU, Q00CPU, Q01CPU	6.00A or later		
Joitware	Q02PHCPU, Q06PHCPU	7.20W or later		
	Q12PHCPU, Q25PHCPU	6.10L or later	-	
	Q12PRHCPU, Q25PRHCPU	6.20W or later		
	FX3uc series, FX3u series*2	7.08J or later	1.24A or later	
	FX _{3G} series ^{#2}	7.22Y or later		
	FX _{3GC} series ^{*2}	-	1.77F or later	
	Q00UJCPU, Q00UCPU, Q01UCPU, Q02UCPU, Q03UDCPU, Q04UDHCPU, Q06UDHCPU, Q10UDHCPU, Q13UDHCPU, Q20UDHCPU, Q26UDHCPU, Q03UDECPU, Q04UDEHCPU, Q06UDEHCPU, Q10UDEHCPU, Q13UDEHCPU, Q20UDEHCPU, Q26UDEHCPU, Q2	7.23Z or later	1.12N or later	
		_	1.24A or later	
	Q50UDEHCPU, Q100UDEHCPU	-	1.30G or later	
Others	Mouse, keyboard, printer, CD-ROM drive (for installation only), sound function (sound card)*3, speaker	*3 used with the above OS	3	
pplicable GOT	GOT1000 series			
pplicable software version	GT Works3 Version 1.54G or later			

*2 : The GOT-A900 cannot be simulated.
*3 : May be required when the simulation function is used.

[Cautions]
 The software installation and the GOT-A900 simulation require administrator authority.
 Using GT Works3 aplication requires an account with higher privileges than the standard user in Windows[®] 7 and Windows Vista[®].
 To use GT Works3 aplogside another application in Windows[®] 7 and Windows Vista[®], or Windows Vista[®],

GT SoftGOT1000 Version3 (English version) operating environment

Item	Desci	ription		
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) *3		
OS (English, Simplified Chinese, Traditional Chinese, Korean, German versions)	Microsoft [®] Windows Vista [®] (32bit) (Enterprise, UI Microsoft [®] Windows [®] XP Service Pack2 or later (Vicrosoft [®] Windows [®] 7 (64bit/32bit) (Enterprise, Ultimate, Professional, Home Premium, Starter) Vicrosoft [®] Windows Vista [®] (32bit) (Enterprise, Ultimate, Business, Home Premium, Home Basic) Vicrosoft [®] Windows [®] XP Service Pack2 or later (32bit) (Professional, Home Edition, Embedded ^{**4}) Vicrosoft [®] Windows [®] 2000 Professional Service Pack4		
CPU	IGHz or more recommended			
Required memory	Microsoft® Windows® 7, Microsoft® Windows Vista®: 1GB or more recommended Microsoft® Windows® XP, Microsoft® Windows® 2000: 512MB or more recommended			
Display	Resolution VGA (640 x 480 dots) or more			
Available hard disk space <mark>*1</mark>	For installation: 2GB or more recommended For execution: 512MB or more recommended	For installation: 2GB or more recommended For execution: 512MB or more recommended		
Display colors	High Color (16 bits) or more			
Hardware <mark>*</mark> 2	GT15-SGTKEY-U (License key (for USB port)) GT15-SGTKEY-P (License key (for parallel port))	GT15-SGTKEY-U (License key (for USB port))		
Software	When using with PX Developer : F	Toesigner3 * ⁵ 2X Developer Version 1.14Q or later PX Developer Version 1.31H or later when using the security level change)		
Others	Mouse, keyboard, printer, CD-ROM drive (for card), speaker used with the above OS	r installation only), sound function (sound		
refer to the PX Developer 2 : The PC must be equipp The PC must be equipp 3 : For CONTEC PC CPU	PX Developer requires additional memory space. For free sp: Version1 Operation Manual (Monitor Tool). Additional memor ed with a USB port to use the GT15-SGTKEY-U. ed with a parallel port (Centro/printer connector) to use t unit, refer to the manual for the PC CPU module. en PPC-R52-22 is is neinstalled.	y space is also required when using user-created application		

See is possible only when PPC-022-220 is preinstalled.
 GT Designer3 and GT SoftGOT1000 must be installed from the same GT Works3 suite.

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[Cautions] •The software installation and the GOT-A900 simulation require administrator authority.

•Using GT Works3 application requires an account with higher privileges than the standard user in Windows[®] 7 and Windows Vista[®]. •To use GT Works3 alongside another application in Windows[®] 7 and Windows Vista[®], use an administrator account to run it if an administrator account is used to run the other application. accout is used to run the other application. *The following functions are not supported in Windows[®] 7, Windows Vista[®], or Windows[®] XP. Running Applications in Windows[®] Compatibility Mode, Fast User Switching, Desktop Theme (Font Size) Change, Remote Desktop, DPI Setting other than 100%. *Windows XP Mode, Windows Touch features are not supported in Windows[®] 7.

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 *1	Bus connection ^{*2} , CPU direct connection, Computer link connection, CC-Link IE Controller Network connection, CC-Link IE Field Network connection, MELSECNET connection. Ethernet connection

*2 : Connectable only when using a PC CPU unit

Warranty

Gratis Warranty Term and Gratis Warranty Range

If any faults or defects (hereinafter "Failure") found to be the responsibility of Mitsubishi occurs during use of the product within the gratis warranty term, the product shall be repaired at no cost via the sales representative or Mitsubishi Service Company.

However, if repairs are required onsite at domestic or overseas location, expenses to send an engineer will be solely at the customer's discretion. Mitsubishi shall not be held responsible for any re-commissioning, maintenance, or testing on-site that involves replacement of the failed module.

Gratis Warranty Term

The gratis warranty term of the product shall be for thirty-six (36) months after the date of purchase or delivery to a designated place.

Note that after manufacture and shipment from Mitsubishi, the maximum distribution period shall be six (6) months, and the longest gratis warranty term after manufacturing shall be forty-two (42) months. The gratis warranty term of repair parts shall not exceed the gratis warranty term before repairs.

Gratis Warranty Range

- (1) The customer shall be responsible for the primary failure diagnosis unless otherwise specified. If requested by the customer, Mitsubishi Electric Corporation or its representative firm may carry out the primary failure diagnosis at the customer's expense. The primary failure diagnosis will, however, be free of charge should the cause of failure be attributable to Mitsubishi Electric Corporation.
- (2) The range shall be limited to normal use within the usage state, usage methods, usage environment, etc. which follow the conditions, precautions, etc. given in the instruction manual, user's manual, caution labels on the product, etc.
- (3) Even within the gratis warranty term, repairs shall be charged for in the following cases.
 - 1) Failure occurring from inappropriate storage or handling, carelessness or negligence by the user. Failure caused by the user's hardware or software design.
 - 2 Failure caused by unapproved modifications, etc., to the product by the user.
 - 3 When 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
 - ⑧Any other failure found not to be the responsibility of Mitsubishi or that admitted not to be so by the user.

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

Onerous repair term after discontinuation of production

- (1) Mitsubishi shall accept onerous product repairs for seven (7) years after production of the product is discontinued. Discontinuation of production shall be notified with Mitsubishi Technical Bulletins, etc.
- (2) Product supply (including repair parts) is not available after production is discontinued.

Overseas service

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.

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MEL SEC

List of Connectable Models, etc.

Support

"Mitsubishi Global FA Centers" are located around the world in Asia, North America and Europe to provide optimum services.

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OShanghai FA Center

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD. Shanghai FA Center 10F, Mitsubishi Electric Automation Center, No.1386 Hongqiao Road, Changning District, Shanghai, China Tel: +86-21-2322-3030 / Fax: +86-21-2322-3000 (9611#)

○ Beijing FA Center

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD. Beijing FA Center Unit 908, Office Tower 1, Henderson Centre, 18 Jianguomennei Avenue, Dongcheng District, Beijing, China Tel: +86-10-6518-3830 / Fax: +86-10-6518-3907

© Tianjin FA Center MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD. Tianjin FA Center Room 2003 City Building, No.35, Youyi Road, Hexi District, Tianjin, China Tel: +86-22-2813-1015 / Fax: +86-22-2813-1017

Guangzhou FA Center

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD. Guangzhou FA Center Room 1609, North Tower, The Hub Center, No.1068, Xingang East Road, Haizhu District, Guangzhou, China Tel: +86-20-8923-6730 / Fax: +86-20-8923-6715

© Korean FA Center MITSUBISHI ELECTRIC AUTOMATION KOREA CO., LTD., (Service) B1F, 2F, 1480-6, Gayang-Dong, Gangseo-Gu, Seoul, 157-200, Korea Tel: +82-2-3660-9632 / Fax: +82-2-3663-0475

 $\ensuremath{\bigcirc}$ Taiwan FA Center

SETSUYO ENTERPRISE CO., LTD. 3F., No.105, Wugong 3rd Road, Wugu District, New Taipei City 24889, Taiwan, R.O.C. Tel: +886-2-2299-9917 / Fax: +886-2-2299-9963 ASEAN FA Center
MITSUBISHI ELECTRIC ASIA PTE. LTD.
ASEAN Factory Automation Centre
307 Alexandra Road, Mitsubishi Electric Building, Singapore 159943
Tel: +65-6470-2480 / Fax: +65-6476-7439

OIndia FA Center

MITSUBISHI ELECTRIC INDIA PVT. LTD. India Factory Automation Centre 2nd Floor, Tower A & B, Cyber Greens, DLF Cyber City, DLF Phase-III, Gurgaon-122002, Haryana, India Tel: +91-124-463-0300 / Fax: +91-124-463-0399

Thailand FA Center MITSUBISHI ELECTRIC AUTOMATION (THAILAND) CO., LTD. Bang-Chan Industrial Estate No.111 Soi Serithai 54, T.Kannayao, A.Kannayao, Bangkok 10230, Thailand Tei: +66-2906-3238 / Fax: +66-2906-3239

North American FA Center MITSUBISHI ELECTRIC AUTOMATION, INC. 500 Corporate Woods Parkway, Vernon Hills, IL 60061, U.S.A.

U.S.A. Tel: +1-847-478-2100 / Fax: +1-847-478-2253

Brazil FA Center

 MELCO-TEC Representacao Comercial e
 Assessoria Tecnica Ltda.
 Av. Paulista, 1439, cj74, Bela Vista, Sao Paulo
 CEP: 01311-200 - SP Brazil
 Tel: +55-11-3146-2200 / Fax: +55-11-3146-2217

MITSUBISHI ELECTRIC EUROPE B.V. Polish Branch 32-083 Balice ul. Krakowska 50, Poland Tel: +48-12-630-47-00 / Fax: +48-12-630-47-01

© European FA Center

○ German FA Center

MITSUBISHI ELECTRIC EUROPE B.V. German Branch Gothaer Strasse 8, D-40880 Ratingen, Germany Tel: +49-2102-486-0 / Fax: +49-2102-486-1120

OUK FA Center

MITSUBISHI ELECTRIC EUROPE B.V. UK Branch. Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, U.K. Tel: +44-1707-28-8780 / Fax: +44-1707-27-8695

Czech Republic FA Center

MITSUBISHI ELECTRIC EUROPE B.V. -o.s. Czech Office Avenir Business Park, Radicka 751/113e, 158 00 Praha5, Czech Republic Tel: +420-251-551-470 / Fax: +420-251-551-471

O Russian FA Center

MITSUBISHI ELECTRIC EUROPE B.V. Russian Branch St. Petersburg Office Piskarevsky pr. 2, bld 2, lit "Sch", BC "Benua", office 720; 195027, St. Petersburg, Russia Tel: +7-812-633-3497 / Fax: +7-812-633-3499

ISO9001 and ISO14001 certified.

All of Mitsubishi Electric's FA component products have acquired the international quality assurance "ISO9001" and the environment management system standard "ISO14001" certification.

Mitsubishi's products comply with various standards and laws.

Mitsubishi's products also comply with various safety standards including UL standards, shipping standards, and radio laws.

<Safety Standards>

Mark	Standards/Agency	Country/Region
CE	EN Standards	Europe
UL	UL Standards	United States
cUL	Canadian Standards Association (CSA)	Canada

<Radio Laws>

Mark	Law	Country
КС	Korea Radio Waves Act	Korea

For the details on the approval model within each standards, please contact your local sales office.

<Shipping Standards>

Abbrev.	Certification Organization	Country
ABS	American Bureau of Shipping	United States
BV	Bureau Veritas	France
DNV	Det Norske Veritas	Norway
GL	Germanischer Lloyd	Germany
LR	Lloyd's Register	England
NK	NIPPON KAIJI KYOKAI	Japan
RINA	Registro Italiano Navale	Italy

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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.

\Lambda For safe use

- To use the products given in this catalog properly, always read the related manuals before starting to use them.
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- · Before using any product for special purposes such as nuclear power, electric power, aerospace, medicine or passenger movement vehicles, consult with Mitsubishi.
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Country/Region	Sales office	Tel/Fax
USA	MITSUBISHI ELECTRIC AUTOMATION, INC. 500 Corporate Woods Parkway, Vernon Hills, IL 60061, U.S.A.	Tel: +1-847-478-2100 Fax: +1-847-478-2253
Brazil	MELCO-TEC Representacao Comercial e Assessoria Tecnica Ltda. Av. Paulista, 1439, cj74, Bela Vista, Sao Paulo CEP: 01311-200 - SP 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, U.K.	Tel: +44-1707-28-8780 Fax: +44-1707-27-8695
Italy	MITSUBISHI ELECTRIC EUROPE B.V. Italian Branch VIALE COLLEONI 7 - 20864 Agrate Brianza (Milano), Italy	Tel: +39-039-60531 Fax: +39-039-6053-312
Spain	MITSUBISHI ELECTRIC EUROPE B.V. Spanish Branch Carretera de Rubí 76-80-AC.420, E-08190 Sant Cugat del Vallés (Barcelona), Spain	Tel: +34-935-65-3131 Fax: +34-935-89-1579
France	MITSUBISHI ELECTRIC EUROPE B.V. French Branch 25, Boulevard des Bouvets, F-92741 Nanterre Cedex, France	Tel: +33-1-55-68-55-68 Fax: +33-1-55-68-57-57
Czech Republic	MITSUBISHI ELECTRIC EUROPE B.Vo.s. Czech Office Avenir Business Park, Radicka 751/113e, 158 00 Praha 5, Czech Republic	Tel: +420-251-551-470 Fax: +420-251-551-471
Poland	MITSUBISHI ELECTRIC EUROPE B.V. Polish Branch 32-083 Balice ul. Krakowska 50, Poland	Tel: +48-12-630-47-00 Fax: +48-12-630-47-01
Russia	MITSUBISHI ELECTRIC EUROPE B.V. Russian Branch Moscow Office 52, bld. 3, Kosmodamianskaya nab., RU-115054, Moscow, Russia	Tel: +7-495-721-2070 Fax: +7-495-721-2071
South Africa	ADROIT TECHNOLOGIES 20 Waterford Office Park, 189 Witkoppen Road, ZA-Fourways, South Africa	Tel: +27-11-658-8100 Fax: +27-11-658-8101
China	MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD. No.1386 Hongqiao Road, Mitsubishi Electric Automation Center, Changning District, Shanghai, China	Tel: +86-21-2322-3030 Fax: +86-21-2322-3000
Taiwan	SETSUYO ENTERPRISE CO., LTD. 6F., No.105, Wugong 3rd Road, Wugu District, New Taipei City 24889, Taiwan, R.O.C.	Tel: +886-2-2299-2499 Fax: +886-2-2299-2509
Korea	MITSUBISHI ELECTRIC AUTOMATION KOREA CO., LTD. (Sales) 3F, 1480-6, Gayang-Dong, Gangseo-Gu, Seoul 157-200, Korea	Tel: +82-2-3660-9530 Fax: +82-2-3664-8372 +82-2-3664-8335
Singapore	MITSUBISHI ELECTRIC ASIA PTE. LTD -Industrial Division 307 Alexandra Road, Mitsubishi Electric Building, Singapore 159943	Tel: +65-6473-2308 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: +66-2906-3238 Fax: +66-2906-3239
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, Indonesia	Tel: +62-21-663-0833 Fax: +62-21-663-0832
India	MITSUBISHI ELECTRIC INDIA PVT. LTD. Emerald House, EL-3, J Block, M.I.D.C., Bhosari, Pune, 411026, Maharastra State, India	Tel: +91-20-2710-2000 Fax: +91-20-2710-2100
Australia	MITSUBISHI ELECTRIC AUSTRALIA PTY. LTD. 348 Victoria Road, P.O. Box 11, Rydalmere, N.S.W. 2116, Australia	Tel: +61-2-9684-7777 Fax: +61-2-9684-7245

MITSUBISHI ELECTRIC CORPORATION HEAD OFFICE: TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN NAGOYA WORKS: 1-14, YADA-MINAMI 5, HIGASHI-KU, NAGOYA, JAPAN

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