



for a greener tomorrow



FACTORY AUTOMATION



Graphic Operation Terminal

GOT2000 Series/ GOT SIMPLE Series



GOT2000

Graphic Operation Terminal

GOT SIMPLE

Graphic Operation Terminal

- Innovative display features in a simple body
- Enhanced lineup with rugged model for wider applications
- Advanced user-friendly features of HMI/GOT Screen Design Software GT Works3

GLOBAL IMPACT OF MITSUBISHI ELECTRIC



Through Mitsubishi Electric's vision, "Changes for the Better" are possible for a brighter future.

Changes for the Better

We bring together the best minds to create the best technologies. At Mitsubishi Electric, we understand that technology is the driving force of change in our lives. By bringing greater comfort to daily life, maximizing the efficiency of businesses and keeping things running across society, we integrate technology and innovation to bring changes for the better.

Mitsubishi Electric is involved in many areas including the following:

Energy and Electric Systems

A wide range of power and electrical products from generators to large-scale displays.

Electronic Devices

A wide portfolio of cutting-edge semiconductor devices for systems and products.

Home Appliance

Dependable consumer products like air conditioners and home entertainment systems.

Information and Communication Systems

Commercial and consumer-centric equipment, products and systems.

Industrial Automation Systems

Maximizing productivity and efficiency with cutting-edge automation technology.

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HMI lineup



GOT2000 Series

GT27

Advanced model with multi-touch gesture functions

Ethernet	RS-232	RS-422/485	CC-Link IE TSN	CC-Link IE Control	CC-Link IE Field*1	CC-Link IE Field Basic	CC-Link	Bus	MELSECNET
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*1 The CC-Link IE Field Network communication unit and GOT set is also available.

15 inch

TFT	65536 colors	AC	DC
-----	--------------	----	----


XGA
1024×768

 GT2715-XTBA
GT2715-XTBD

12.1 inch

TFT	65536 colors	AC	DC
-----	--------------	----	----


SVGA
800×600

 GT2712-STBA
GT2712-STBD
GT2712-STWA [White model]
GT2712-STWD [White model]

10.4 inch

TFT	65536 colors	AC	DC
-----	--------------	----	----


SVGA
800×600

 GT2710-STBA
GT2710-STBD

VGA
640×480

 GT2710-VTBA
GT2710-VTBD
GT2710-VTWA [White model]
GT2710-VTWD [White model]

GT25

High performance, cost efficient, mid-range model

Ethernet	RS-232	RS-422/485	CC-Link IE TSN*2	CC-Link IE Control*2	CC-Link IE Field*1*2	CC-Link IE Field Basic	CC-Link*2	Bus*2	MELSECNET*2
----------	--------	------------	------------------	----------------------	----------------------	------------------------	-----------	-------	-------------

*1 The CC-Link IE Field Network communication unit and GOT set is also available. *2 Not supported by GT2505.

12.1 inch

TFT	65536 colors	AC	DC
-----	--------------	----	----


SVGA
800×600

 GT2512-STBA
GT2512-STBD

10.4 inch

TFT	65536 colors	AC	DC
-----	--------------	----	----


VGA
640×480

 GT2510-VTBA
GT2510-VTBD
GT2510-VTWA [White model]
GT2510-VTWD [White model]

8.4 inch

TFT	65536 colors	AC	DC
-----	--------------	----	----


VGA
640×480

 GT2508-VTBA
GT2508-VTBD
GT2508-VTWA [White model]
GT2508-VTWD [White model]

GT25

Wide

GOT2000 widescreen expands your view

Ethernet (2 ports)	RS-232	RS-422/485	CC-Link IE Field Basic	Sound output (built-in)
--------------------	--------	------------	------------------------	-------------------------

10.1 inch

TFT	65536 colors	DC
-----	--------------	----


WXGA
1280×800

 GT2510-WXTBD
GT2510-WXTSD

7 inch

TFT	65536 colors	DC
-----	--------------	----


WVGA
800×480

 GT2507-WTBD
GT2507-WTSD

7 inch

TFT	65536 colors	DC
-----	--------------	----


WVGA
800×480

GT2507T-WTSD

GT23

Unchallenged cost performance

Ethernet	RS-232	RS-422/485	CC-Link IE Field Basic
----------	--------	------------	------------------------

10.4 inch

TFT	65536 colors	AC	DC
-----	--------------	----	----


VGA
640×480

 GT2310-VTBA
GT2310-VTBD

8.4 inch

TFT	65536 colors	AC	DC
-----	--------------	----	----


VGA
640×480

 GT2308-VTBA
GT2308-VTBD

GT21

Wide

Ethernet	RS-232
RS-422/485	
CC-Link IE Field Basic	

7 inch

TFT	65536 colors	DC
-----	--------------	----


WVGA
800×480

 GT2107-WTBD
GT2107-WTSD

GT Works3



GOT Screen Design Software
MELSOFT GT Works3
Professional designs in just a few clicks

SoftGOT



USB port
license key



GOT2000 compatible HMI software
GT SoftGOT2000 Version1
Make visualization of production accessible

GOT2000

Multi-touch gesture Multimedia*2 Video/RGB*2 Sound output External I/O

*2 Not supported by GT2705.

8.4 inch

TFT
65536
colors
AC
DC



SVGA
800×600

GT2708-STBA
GT2708-STBD
VGA
640×480
GT2708-VTBA
GT2708-VTBD

5.7 inch

TFT
65536
colors
DC



VGA
640×480

GT2705-VTBD

MELIPC Series (related products)

Panel computer with Windows® OS

MI3000

Ethernet (3 ports) RS-232
RS-422/485 DisplayPort Sound output

21.5 inch /
15 inch

TFT
16.77
million
colors
DC



NEW

Full HD
1920×1080

MI3321G-W

XGA
1024×768

MI3315G-W

For the details,
see page 184.

Sound output*2 External I/O*2

GT25 Handy

HMI functionality in the palm of your hand

Ethernet RS-232 RS-422/485*1 CC-Link IE Field Basic

*1 GT2505HS supports RS-422 only.

5.7 inch

TFT
65536
colors
DC



VGA
640×480

GT2505-VTBD

6.5 inch

TFT
65536
colors
DC



VGA
640×480

GT2506HS-VTBD

5.7 inch

TFT
65536
colors
DC



VGA
640×480

GT2505HS-VTBD

GT25

A new style of GOT2000

Open frame

Ethernet RS-232 RS-422/485 CC-Link IE TSN CC-Link IE Control CC-Link IE Field CC-Link IE Field Basic CC-Link Bus MELSECNET Sound output External I/O

12.1 inch

TFT
65536
colors
AC
DC



SVGA
800×600

GT2512F-STNA
GT2512F-STND

10.4 inch

TFT
65536
colors
AC
DC



VGA
640×480

GT2510F-VTNA
GT2510F-VTND

8.4 inch

TFT
65536
colors
AC
DC



VGA
640×480

GT2508F-VTNA
GT2508F-VTND

Compact models with basic functions

Ethernet*1 RS-232*1 RS-422/485*1 CC-Link IE Field Basic*2

GT21

*1 Supported interfaces vary depending on the model.
Please refer to descriptions in [] after the model.
*2 Supported only by the models equipped with an Ethernet port.

4.3 inch

TFT
65536
colors
DC



480×272

GT2104-RTBD
[Ethernet, RS-232, RS-422/485]

3.8 inch

TFT
mono-
chrome
DC
5-color LED



320×128

GT2103-PMBD
[Ethernet, RS-422/485]
GT2103-PMBDS
[RS-232, RS-422/485]
GT2103-PMBDS2
[RS-232 × 2 channels]
GT2103-PMBLS
[RS-422] 5 V DC type

GOT SIMPLE Series

Simple model having excellent cost performance

GS21

Ethernet RS-232 RS-422
CC-Link IE Field Basic

10 inch / 7 inch

TFT
65536
colors
DC



WVGA
800×480

GS2110-WTBD
GS2107-WTBD

For the status of conforming to various standards and laws, please refer to the Mitsubishi Electric Factory Automation Global website (www.MitsubishiElectric.com/fa/).

GT27 model

Advanced model with multi-touch gesture functions



A wide variety of specifications suit every system design

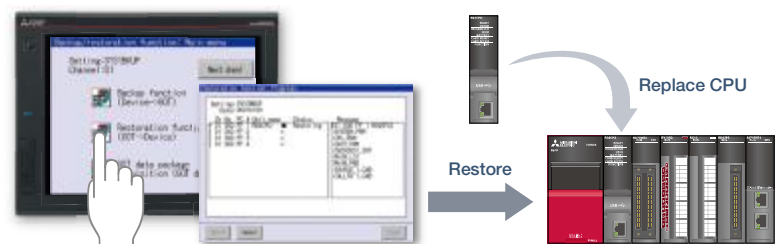
Communication interfaces such as Ethernet, RS-232, RS-422/485, USB host/device and SD memory card are standard features. High capacity data processing ensure smooth screen operation even when multiple tasks, such as logging, script, alarm, or device data transfer, are running. In addition, image recording, image playback, video image input, and RGB output are available*, thus all the functions of GOT2000 can be used on GT27 models. * Excluding GT2705

Item	Specifications
Display	5.7"/8.4"/10.4"/12.1"/15", TFT color LCD, 65536 colors
Resolution	XGA, SVGA, VGA
Backlight	White LED
User memory	Memory for storage (ROM): 57 MB (GT2705 has 32 MB) Memory for operation (RAM): 128 MB (GT2705 has 80 MB)
Standard interface	Ethernet, RS-232, RS-422/485 USB host (USB-A): 2 channels* (USB 2.0 (High-Speed 480 Mbps)) USB device (USB Mini-B): 1 channel (USB 2.0 (High-Speed 480 Mbps)) SD memory card interface
Extension interface	CC-Link IE TSN NEW , CC-Link IE Control, CC-Link IE Field, CC-Link, bus, MELSECNET/H
Side interface	For installing a wireless LAN communication unit

* White model has 1 channel.

With Backup/Restoration function, fear troubles no more!

The programs and parameters of the programmable controller CPU can be backed up to the SD memory card or USB memory device in the GOT. In case of a CPU failure, users can perform batch operation to restore the data to the controller.



■ GT27 model external appearance [Standard model: front face/rear face]



① Human sensor

The unit automatically detects an operator approaching the unit and displays the screen.

* GT2715, GT2712 only

② USB interface: device (USB Mini-B)

Connect to a personal computer and transfer data.

* Standard models: front face only

* White models: rear face only

③ USB interface: host (USB-A)*1

Transfer project data or read the data (logging data, etc.) to or from the GOT using the USB memory.

A USB mouse, keyboard, barcode reader*2, or RFID reader*2 can also be connected.

*1 White models: rear face only

*2 USB keyboard (HID) compatible model only

④ Extension interface

Communication and option units can be installed.

⑤ Ethernet interface

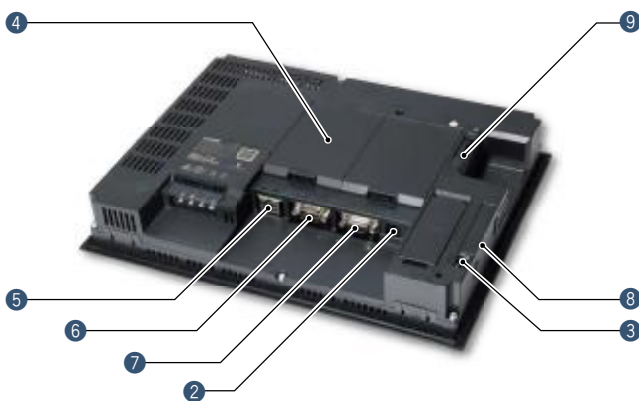
Use Ethernet to simultaneously connect up to four types of industrial devices from different manufacturers. CC-Link IE Field Network Basic compatible devices can also be connected.

⑥ RS-232 interface

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

⑦ RS-422/485 interface

Connect to various industrial devices and barcode readers.



⑧ Side interface

Install a wireless LAN communication unit.

⑨ SD memory card interface

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

■ GT27 model external appearance [White model: front face]



① Human sensor

The unit automatically detects an operator approaching the unit and displays the screen.

* GT2712 only

② Flat body

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

③ White body

The white model portrays a clean image.

White model features

GOT is acceptable for use in hazardous locations classified by various safety standards (Class I, Division 2 [the United States, Canada], ATEX [Europe], KCs [Korea]).

* Supported standards vary depending on the model. For the details, please refer to page 75.

GT25 model

High performance, cost efficient, mid-range model



A wide variety of specifications suit every system design

Communication interfaces such as Ethernet, RS-232, RS-422/485, USB host/device and SD memory card are standard features. High capacity data processing ensure smooth screen operation even when multiple tasks, such as logging, script, alarm, or device data transfer, are running.

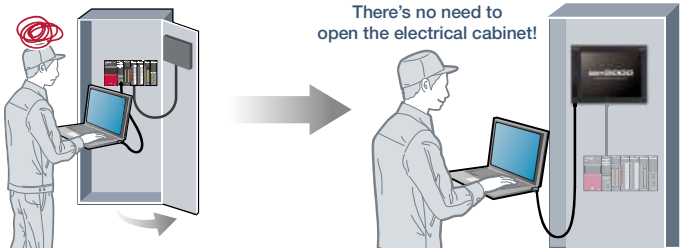
Item	Specifications
Display	5.7"/8.4"/10.4"/12.1", TFT color LCD, 65536 colors
Resolution	SVGA, VGA
Backlight	White LED
User memory	Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB
Standard interface	Ethernet, RS-232, RS-422/485 USB host (USB-A): 2 channels*1 (USB 2.0 (High-Speed 480 Mbps)) USB device (USB Mini-B): 1 channel (USB 2.0 (High-Speed 480 Mbps)) SD memory card interface
Extension interface*2	CC-Link IE TSN NEW , CC-Link IE Control, CC-Link IE Field, CC-Link, bus, MELSECNET/H
Side interface*2	For installing a wireless LAN communication unit

*1 GT2505 and white model have 1 channel.

*2 GT2505 does not have the extension interface and the side interface.

FA Transparent function simplify your debugging work!

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



■ GT25 standard model external appearance [front face/rear face] * Excluding GT2505



- 1 USB interface: device (USB Mini-B)**
Connect to a personal computer and transfer data.

* Standard models: front face only
* White models: rear face only

- 2 USB interface: host (USB-A)*1**
Transfer project data or read the data (logging data, etc.) to or from the GOT using the USB memory.
A USB mouse, keyboard, barcode reader*2, or RFID reader*2 can also be connected.

*1 GT2505, white models: rear face only

*2 USB keyboard (HID) compatible model only

3 Extension interface

Communication and option units can be installed.

4 Ethernet interface

Use Ethernet to simultaneously connect up to four types of industrial devices from different manufacturers. CC-Link IE Field Network Basic compatible devices can also be connected.

5 RS-232 interface

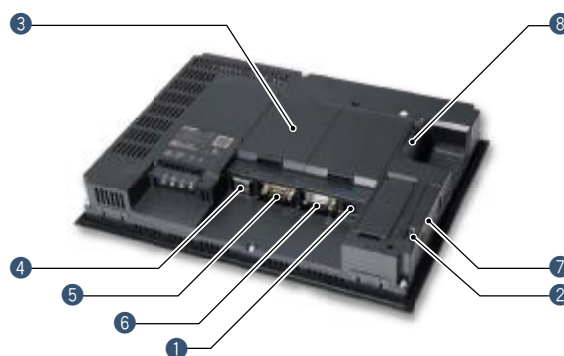
Connect to various industrial devices, barcode readers and serial printers.

6 RS-422/485 interface

Connect to various industrial devices and barcode readers.

7 Side interface

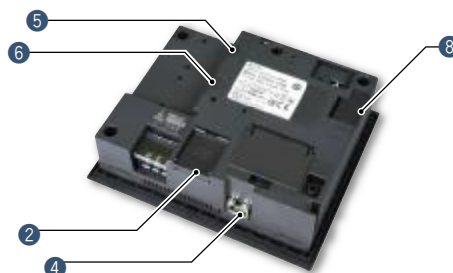
Install a wireless LAN communication unit.



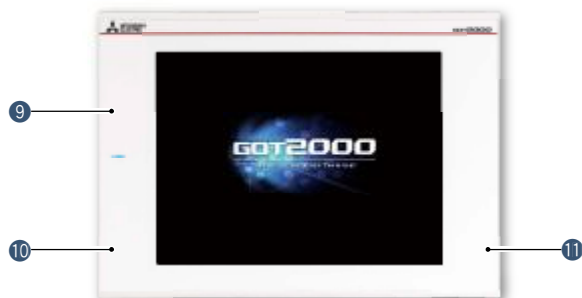
8 SD memory card interface

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

■ GT2505 external appearance [front face/rear face]



■ GT25 white model external appearance [front face]



9 Simple design

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

10 Flat body

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

11 White body

The white model portrays a clean image.

White model features

GOT is acceptable for use in hazardous locations classified by various safety standards (Class I, Division 2 [the United States, Canada], ATEX [Europe], KCs [Korea]).

* Supported standards vary depending on the model. For the details, please refer to page 75.

GT25 wide model

GOT2000 widescreen expands your view

For details



Concept movie



2

Hardware



For the details of GT25 wide models, please refer to the Graphic Operation Terminal GOT2000 Series Wide Model catalog (L(NA)08461ENG).

Various interfaces are equipped in a compact body

The stylish design realized with a narrow bezel. The GOT2000 wide models are available in a choice of silver and black.

Two Ethernet ports and the built-in sound output interface* equipped as standard add value to your system.

* A speaker with built-in amplifier is required separately.

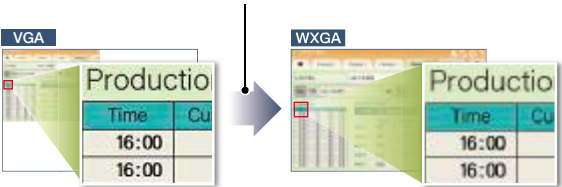
Item	Specifications
Display	7" widescreen/10.1" widescreen, TFT color LCD, 65536 colors
Resolution	7": WVGA, 10.1": WXGA
Backlight	White LED
User memory	Memory for storage (ROM): 32 MB Memory for operation (RAM): 128 MB
Standard interface	Ethernet (2 ports), RS-232, RS-422/485 USB host (USB-A): 1 channel (USB 2.0 (High-Speed 480 Mbps)) USB device (USB Mini-B): 1 channel (USB 2.0 (High-Speed 480 Mbps)) Sound output interface (Ø3.5 minijack), SD memory card interface
Extension interface	—
Wireless LAN communication unit interface	For installing a wireless LAN communication unit

Ultra high resolution display improves expressiveness

Ultra high resolution WXGA screen* displays necessary and sufficient information on one screen. Small characters can be displayed clearly.

* WXGA display on the 10.1 inch model. WVGA display on the 7 inch model.

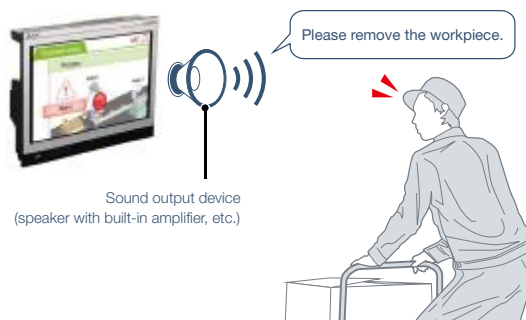
About 3.3 times higher resolution displays small characters clearly



* 10.1 inch model

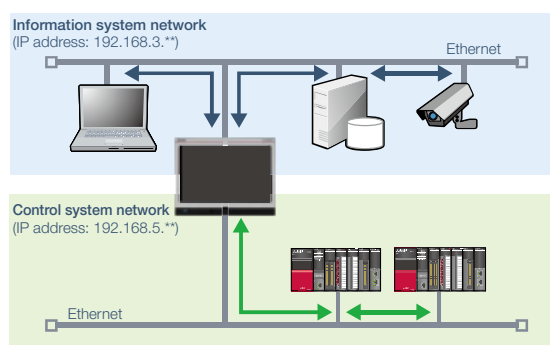
Add value to your system with sound notification

The built-in sound output interface makes it easy to implement the sound notification system (page 77, page 118). Not only by displaying the contents of events on the screen but also by notifying with sound, you can convey the necessary information to the operators.



Enable separation of information and control system networks

Two Ethernet ports physically separate the information system network in the office from the control system network at the production site. The network architecture becomes safer and more secure by setting different IP addresses for each network.



GT25 wide model external appearance [front face/rear face]



1 USB interface: device (USB Mini-B)

Connect to a personal computer and transfer data.

2 USB interface: host (USB-A)

Transfer project data or read the data (logging data, etc.) to or from the GOT using the USB memory. A USB mouse, keyboard, barcode reader*, or RFID reader* can also be connected.

* USB keyboard (HID) compatible model only

3 Ethernet interface (2 ports)

Use Ethernet to simultaneously connect up to four types of industrial devices from different manufacturers. CC-Link IE Field Network Basic compatible devices can also be connected.

4 RS-422/485 interface

Connect to various industrial devices and barcode readers.

5 RS-232 interface

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

6 Sound output interface (φ3.5 minijack)

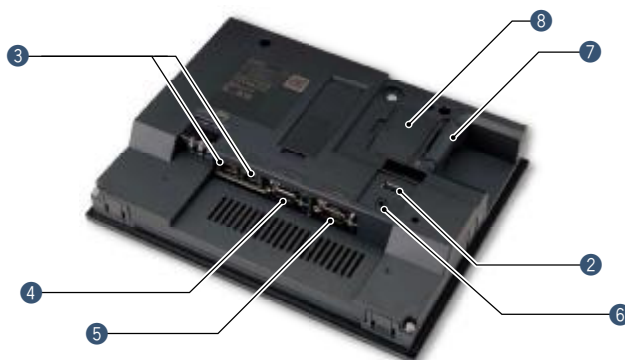
Output sound by connecting φ3.5 stereo mini-plug (3-prong).

7 SD memory card interface

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

8 Wireless LAN communication unit interface

Install a wireless LAN communication unit.



GT25 handy GOT

HMI functionality in the palm of your hand

For details



GOT2000 Series handy GOT

With portable handy GOT, you can operate your machines while standing next to them.

Item	Specifications	
	GT2506HS-VTBD	GT2505HS-VTBD
Display	6.5", TFT color LCD, 65536 colors	5.7", TFT color LCD, 65536 colors
Resolution	VGA	
Backlight	White LED	
User memory	Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB	
Standard interface	Ethernet*2, RS-232*1*2, RS-422/485*1*2	
	USB host (USB-A): 1 channel (USB 2.0 (High-Speed 480 Mbps))	
	USB device (USB Mini-B): 1 channel (USB 2.0 (High-Speed 480 Mbps))	
	SD memory card interface	

*1 When using GT2506HS, select one channel from RS-232 or RS-422/485.

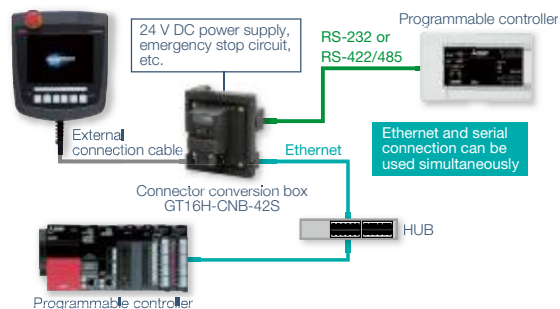
*2 When using GT2505HS, select one channel from Ethernet, RS-232, or RS-422. RS-485 cannot be used.

Example of connecting GT25 handy GOT and industrial devices

GT2506HS-VTBD

Ethernet connection

- The maximum distance between the connector conversion box and the GOT is 10 m.
- Up to four different industrial devices are connectable.



Connector conversion box

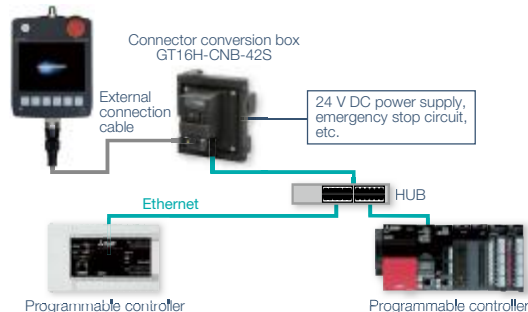
Used to connect handy GOT and industrial devices via Ethernet or serial connection.

Connector conversion box	GT2506HS		GT2505HS	
	Ethernet	RS-232, RS-422/485	Ethernet	RS-232, RS-422
GT16H-CNB-42S ID number recognition function supported	○	○	○	—
GT16H-CNB-37S	○	—	○	—
GT11H-CNB-37S	—	—	—	○

GT2505HS-VTBD

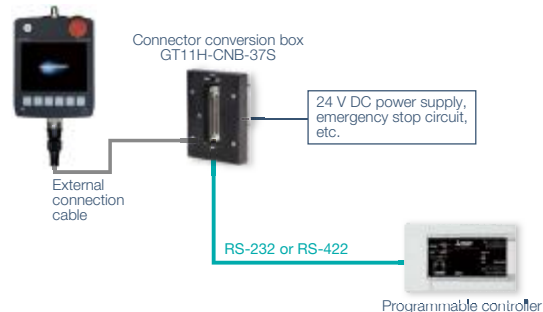
Ethernet connection

- The maximum distance between the connector conversion box and the GOT is 10 m.
- Up to four different industrial devices are connectable.

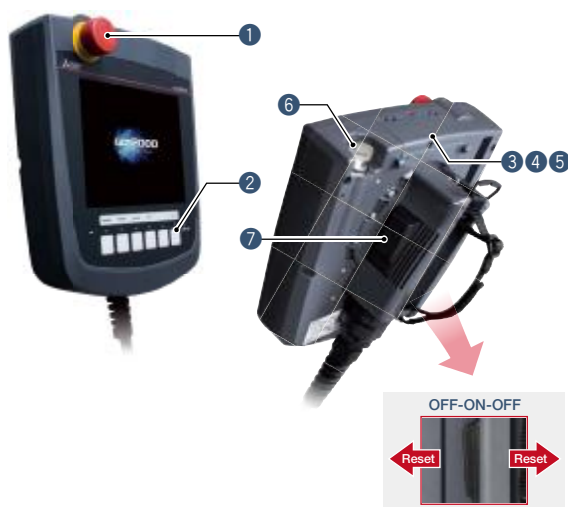


Serial connection

- Select either of RS-232 or RS-422.
- The maximum distance between the connector conversion box and the GOT is 10 m.



■ GT2506HS external appearance [front face/rear face]



① Emergency stop switch

An emergency stop switch is used to stop the operation of devices in case of an emergency. It utilizes a “normally closed contact” for safety.

② LED operation switches (GT2506HS)/ Operation switches (GT2505HS)

The switches can be used to operate and stop machines. Hard switches on the operation panel are no longer required. These switches can be wired to inputs of programmable controllers and other devices.

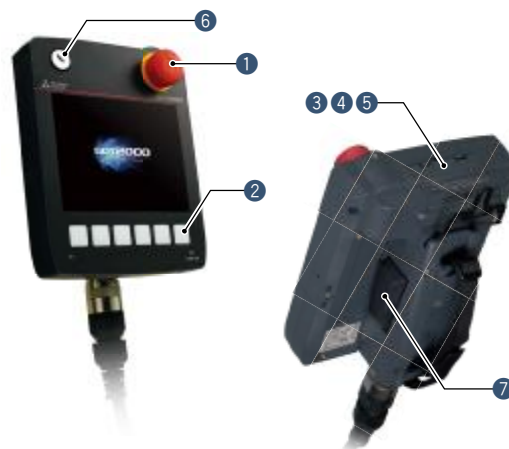
③ SD memory card interface

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

④ USB interface: device (USB Mini-B)

Connect to a personal computer and transfer data.

■ GT2505HS external appearance [front face/rear face]



⑤ USB interface: host (USB-A)

Transfer project data or read the data (logging data, etc.) to or from the GOT using the USB memory.

⑥ Keylock switch (2-position switch)

Operators can be restricted depending on the operation, such as switching manual/automatic operation or selecting the modes. Once the key is pulled out, others cannot operate it. The switch is used with wiring to the input of programmable controllers.

⑦ Grip switch

The three-position (OFF-ON-OFF) type deadman switch is adopted as an interlock for preventing operation mistakes and prohibiting operation of a machine. The switch can directly control external equipment to give immediate stop commands to a machine. The switch can be wired to inputs of programmable controllers and other devices.

GT2505HS

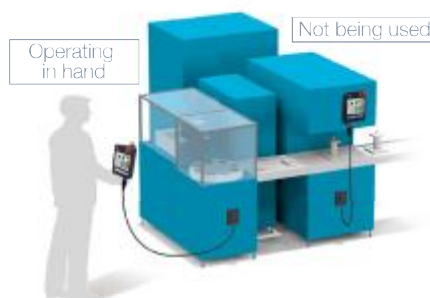
Wall-mounting attachment for Handy GOT GT14H-50ATT



The wall-mounting attachment for handy GOT is to place the GT2505 Handy GOT while it is not being used.



Firmly held with four posts, the GOT can be stably placed on the attachment. When you use the GOT, you can quickly remove it and start operation.



GT25 rugged model

Wide operating temperature range model with a stylish metal housing

For details



2

Hardware



Suitable for outdoors or in non air-conditioned rooms

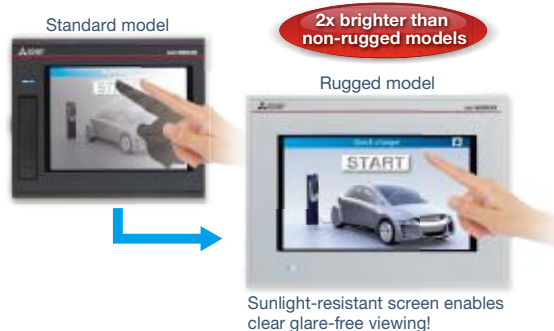
The working ambient temperature has been expanded to -20°C to 65°C. The high-brightness LCD panel (2 times brighter than non-rugged models) provides a clear screen view when installed outdoors. The rugged model is ultraviolet ray resistant with an environmental protection sheet that has UV protection function.

* Note that the structure does not guarantee protection in all users' environments.

High brightness, clear visibility under daylight

The high-brightness LCD panel (1000 cd/m²*) provides a clear screen view even under strong sunlight.

* Brightness of independent panel.



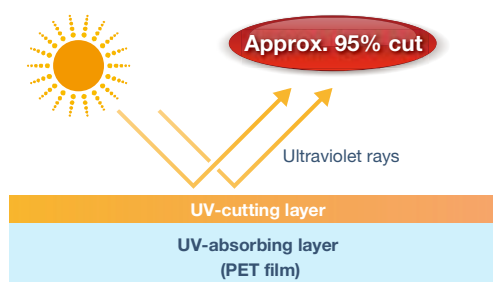
Item	Specifications
Display	7" widescreen, TFT color LCD, 65536 colors
Resolution	WVGA
Backlight	White LED
Panel material	Aluminum
User memory	Memory for storage (ROM): 32 MB Memory for operation (RAM): 128 MB
Standard interface	Ethernet (2 ports), RS-232, RS-422/485 USB host (USB-A): 1 channel (USB 2.0 (High-Speed 480 Mbps)) USB device (USB Mini-B): 1 channel (USB 2.0 (High-Speed 480 Mbps)) Sound output interface (φ3.5 minijack), SD memory card interface
Extension interface	—
Wireless LAN communication unit interface	For installing a wireless LAN communication unit

Operating ambient temperature	-20 °C to 65 °C
Brightness (LCD panel)	1000 cd/m ² (Typ)
UV cutoff	Approximately 95% (370 nm)
Protective structure	Front: IP66F, IP67F Inside control panel: IP2X
Vibration resistance	19.6 m/s ² (continuous), 19.6 m/s ² (intermittent)
Shock resistance	392 m/s ² (40G)
Dedicated option	UV protective sheet, protective cover for oil, stand

Point!

UV resistant

Ultraviolet rays are cut by approximately 95% (370 nm) with a UV-cutting layer and UV-absorbing layer. Degradation of the LCD panel or touch panel caused by ultraviolet rays is reduced. Use the optional UV protection sheet to further improve resistance to ultraviolet rays.

**Vibration and shock resistant**

Since the structure of the front panel has been reinforced with a metal housing, the rugged model can be used in environments that are subject to vibration or shock, such as construction equipment or snow plows.

**■ GT25 rugged model external appearance [front face/rear face]****① GOT front face**

The metal enclosure increases resistance against vibration and shock. Ultraviolet rays are cut by approximately 95% (370 nm). Also comply with IP66F and IP67F ratings.

② Ethernet interface (2 ports)

Use Ethernet to simultaneously connect up to four types of industrial devices from different manufacturers. CC-Link IE Field Network Basic compatible devices can also be connected.

③ RS-422/485 interface

Connect to various industrial devices and barcode readers.

④ RS-232 interface

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

⑤ Sound output interface (φ3.5 minijack)

Output sound by connecting φ3.5 stereo mini-plug (3-prong).

⑥ USB interface: host (USB-A)

Transfer project data or read the data (logging data, etc.) to or from the GOT using the USB memory. A USB mouse, keyboard, barcode reader*, or RFID reader* can also be connected.

* USB keyboard (HID) compatible model only

⑦ USB interface: device (USB Mini-B)

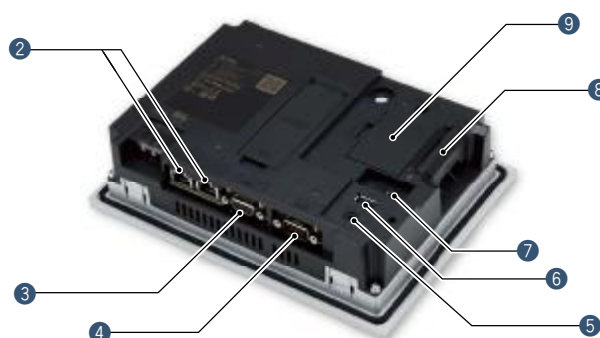
Connect to a personal computer and transfer data.

⑧ SD memory card interface

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

⑨ Wireless LAN communication unit interface

Install a wireless LAN communication unit.



For details



GT25 open frame model

A new style of GOT2000

2
Hardware



For the details of the GT25 open frame model, please refer to the Graphic Operation Terminal GOT2000 Series White & Open catalog (L(NA)08414ENG).

GOT complements machine design

Installing the GOT2000 from the back side of the control panel complements the machine-design surface.
Using a stainless-look environmental protection sheet allows the touch panel to blend into the production machines for the pharmaceutical and food industries.

Item	Specifications
Display	8.4"/10.4"/12.1", TFT color LCD, 65536 colors
Resolution	SVGA, VGA
Backlight	White LED
User memory	Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB
Standard interface	Ethernet, RS-232, RS-422/485 USB host (USB-A): 1 channel (USB 2.0 (High-Speed 480 Mbps)) USB device (USB Mini-B): 1 channel (USB 2.0 (High-Speed 480 Mbps)) SD memory card interface
Extension interface	CC-Link IE TSN NEW , CC-Link IE Control, CC-Link IE Field, CC-Link, bus, MELSECNET/H
Side interface	For installing a wireless LAN communication unit

IP67F protection

To conform to IP67F, attach an environmental protection sheet.*
GOT can be operated with wet hands, wiped with a damp cloth, and washed with water.

* Note that the structure does not guarantee protection in all users' environments.
The GOT may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.

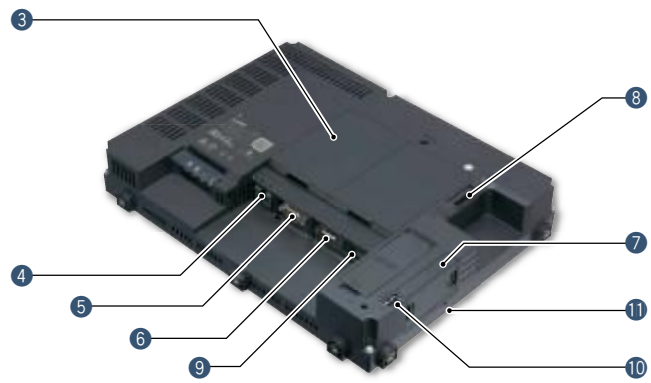


Suitable for pharmaceutical and food industries

Flush surface without any gaps and grooves prevents dust, dirt, and debris from accumulated on the edge.



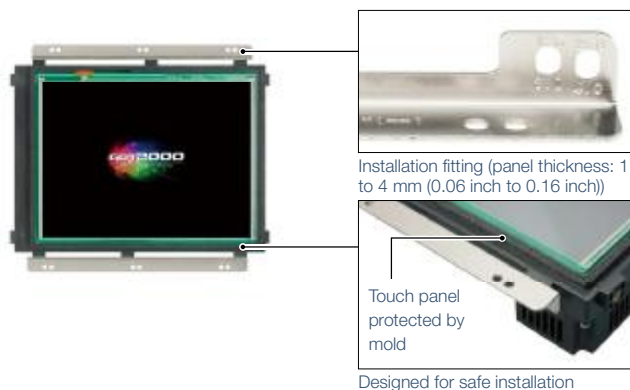
■ GT25 open frame model external appearance [front face/rear face]

- 
- 1 Touch panel**
Using an environmental protection sheet (optional or prepared by the users) is required.
 - 2 Unit installation fitting**
Fittings to install GOT to a panel are included.
 - 3 Extension interface**
Communication and option units can be installed.
 - 4 Ethernet interface**
Use Ethernet to simultaneously connect up to four types of industrial devices from different manufacturers. CC-Link IE Field Network Basic compatible devices can also be connected.
 - 5 RS-232 interface**
Connect to various industrial devices, barcode readers and serial printers.
 - 6 RS-422/485 interface**
Connect to various industrial devices and barcode readers.
 - 7 Side interface**
Install a wireless LAN communication unit.
 - 8 SD memory card interface**
Save large volumes of data, including alarms and logging data.
 - 9 USB interface: device (USB Mini-B)**
Connect to a personal computer and transfer data.
 - 10 USB interface: host (USB-A)**
Transfer project data or read the data (logging data, etc.) to or from the GOT using the USB memory. A USB mouse, keyboard, barcode reader*, or RFID reader* can also be connected.
* USB keyboard (HID) compatible model only
 - 11 POWER LED**
Check the power supply status.
- 

■ Easy installation

Adjustable to various panels

The installation fitting is adjustable from 1.5 mm to 4 mm of the control panel thickness. GOT can adjust the difference of the control panel thickness. Vertical installation is also available.



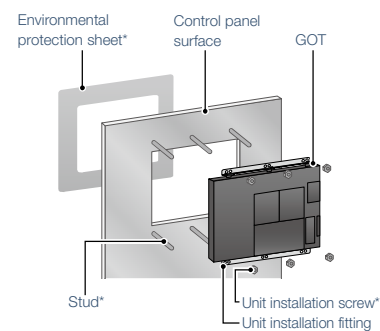
Designed for safe installation

The edge of the touch panel is protected to prevent damage to the touch panel or injury by touching the sharp edge. It is possible to safely install the GOT.

Dedicated installation fittings

Attach appropriate installation fittings (vertical/horizontal) depending on the installation orientation.

Installation instructions



* An environmental protection sheet (optional or prepared by the users), studs and screws (prepared by the users) are required separately.

GT23 model

Unchallenged cost performance



A wide variety of specifications suit every system design

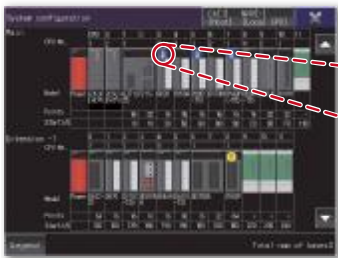
Communication interfaces such as Ethernet, RS-232, RS-422/485, USB host/device and SD memory card are standard features. Advanced interactive features such as data logging, multi-channel communication, and FA transparent function are supported.

Item	Specifications
Display	8.4"/10.4", TFT color LCD, 65536 colors
Resolution	VGA
Backlight	White LED
User memory	Memory for storage (ROM): 9 MB Memory for operation (RAM): 9 MB
Standard interface	Ethernet, RS-232, RS-422/485 USB host (USB-A): 1 channel (USB 1.1 (Full-Speed 12 Mbps)) USB device (USB Mini-B): 1 channel (USB 1.1 (Full-Speed 12 Mbps)) SD memory card interface

Use the System Launcher function and quickly check the system status!

A graphical system configuration diagram indicates module statuses. When you touch a module the extended function list is shown and you can carry out maintenance work efficiently.

System configuration diagram



Icons show the module status. You can check the module with an error at a glance.

Extended functions menu



■ GT23 model external appearance [Standard model: front face/rear face]



① Simple design

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

② Flat body

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

③ Ethernet interface

Use Ethernet to simultaneously connect up to two types of industrial devices from different manufacturers. CC-Link IE Field Network Basic compatible devices can also be connected.

④ RS-232 interface

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

⑤ RS-422/485 interface

Connect to various industrial devices and barcode readers.

⑥ USB interface: device (USB Mini-B)

Connect to a personal computer and transfer data.

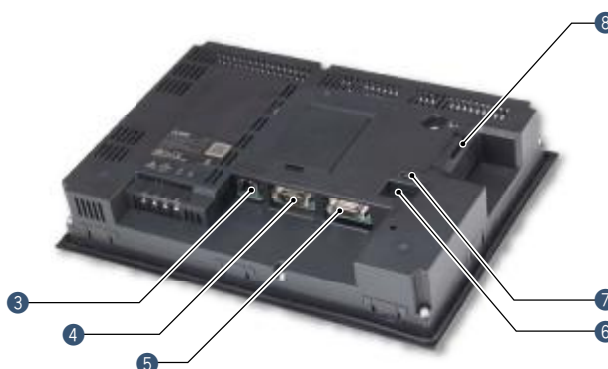
⑦ USB interface: host (USB-A)

Transfer project data or read the data (logging data, etc.) to or from the GOT using the USB memory. A USB mouse, keyboard, barcode reader*, or RFID reader* can also be connected.

* USB keyboard (HID) compatible model only

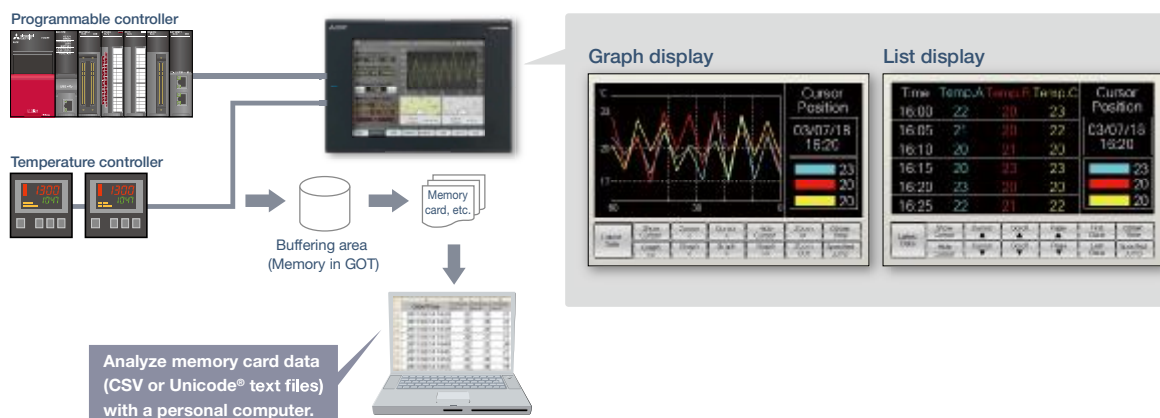
⑧ SD memory card interface

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



Easily collect log data and display it in graphs and lists

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



GT21 wide model

Expands possibilities of GT21 models

For details



Concept movie



2

Hardware



Smart silver



Cool black



For the details of GT21 wide models, please refer to the Graphic Operation Terminal GOT2000 Series Wide Model catalog (L(NA)08461ENG).

The highest resolution screen in the GT21 models, with various built-in interfaces

The GOT2000 wide models are available in a choice of silver and black. In addition to the high resolution display, 65536 colors of LCD improves quality of screen display. The first GT21 model with the USB host enables you to connect a USB mouse and keyboard, or transfer data using a USB memory. In addition, Ethernet printers can be used.

Item	Specifications
Display	7" widescreen, TFT color LCD, 65536 colors
Resolution	WVGA
Backlight	White LED
User memory	Memory for storage (ROM): 15 MB
Standard interface	Ethernet, RS-232, RS-422/485 USB host (USB-A): 1 channel (USB 1.1 (Full-Speed 12 Mbps)) USB device (USB Mini-B): 1 channel (USB 1.1 (Full-Speed 12 Mbps)) SD memory card interface

Widescreen displays large amounts of information

High resolution WVGA screen has sufficient display area for long alarm messages.

5 times higher resolution greatly increases expressiveness

Standard GT1055-Q

QVGA 320 x 240 dots



Wide GT2107-W

WVGA 800 x 480 dots



Remote monitoring provides wide access to application

Remote monitoring with the VNC server function is now available on GT21. By remotely connecting to GOT from personal computer or tablet, you can operate, monitor production equipment and connect to system devices.

* GT2107-W only among GT21 models.



Enhanced graphics

Outline fonts can now be used on GT21 model. Antialiasing smoothes out jagged text edges and displays clear characters, offering improved visibility of screen display.

* GT2107-W only among GT21 models.

Standard 16dot HQ Gothic

Happy

Wide Outline Gothic (antialiasing enabled)

Happy

Clear characters improves visibility

■ GT21 wide model external appearance [front face/rear face]



1 USB interface: device (USB Mini-B)

Connect to a personal computer and transfer data.

2 USB interface: host (USB-A)

Transfer project data or read the data (logging data, etc.) to or from the GOT using the USB memory. A USB mouse, keyboard, barcode reader*, or RFID reader* can also be connected.

* USB keyboard (HID) compatible model only

3 Ethernet interface

Use Ethernet to simultaneously connect up to two types of industrial devices from different manufacturers. CC-Link IE Field Network Basic compatible devices can also be connected.

4 RS-422/485 interface

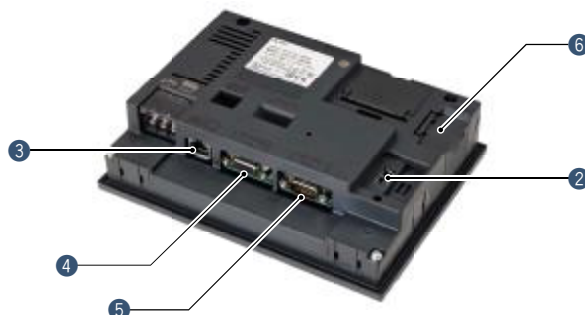
Connect to various industrial devices and barcode readers.

5 RS-232 interface

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

6 SD memory card interface

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



GT21 model

■ GT2104-R

Compact model with exciting possibilities

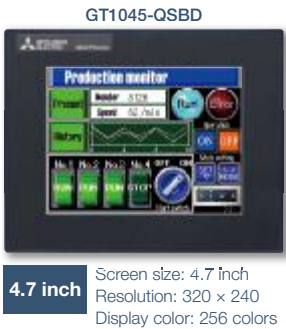
Widescreen type compact model!

High resolution, 480 × 272 dot display realized in a compact body!

Item	Specifications
Display	4.3", TFT color LCD, 65536 colors
Resolution	480 × 272 dots
Backlight	White LED
User memory	Memory for storage (ROM): 9 MB
Standard interface	Ethernet, RS-232, RS-422/485 USB device (USB Mini-B): 1 channel (USB 1.1 (Full-Speed 12 Mbps)) SD memory card interface

Wide screen display fits a lot of data!

The wide model shows a large amount of information on a 65536 color display.



Resolution
1.5 times wider
in horizontal
direction

■ GT2104-R external appearance [front face/rear face]



① Simple design

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

② Flat body

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

③ USB interface: device (USB Mini-B)

Connect to a personal computer and transfer data.

④ Ethernet interface

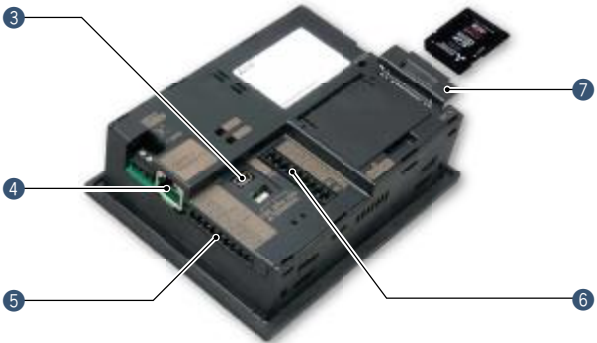
Use Ethernet to simultaneously connect up to two types of industrial devices from different manufacturers. CC-Link IE Field Network Basic compatible devices can also be connected.

⑤ RS-422/485 interface

Connect to various industrial devices and barcode readers.

⑥ RS-232 interface

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



⑦ SD memory card interface

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

■ GT2103-PMBD

Small screen, big possibilities



Small, compact, easy to operate!

Ethernet built into a compact body!

The intuitively understandable 5-color backlight offers choices of backlight color and backlight blink according to machine operation state.

Item	Specifications
Display	3.8", monochrome (black/white), 32 shade grayscale TFT LCD display
Resolution	320 × 128 dots
Backlight	5-color LED (white, green, pink, orange, red)
User memory	Memory for storage (ROM): 3 MB
Standard interface	Ethernet, RS-422/485 USB device (USB Mini-B): 1 channel (USB 1.1 (Full-Speed 12 Mbps))
Extension interface	For installing an SD memory card unit

High-definition LCD

GT2103 is equipped with an easy to see, compact high-resolution TFT LCD with 32 gray scales.



GT1020

Monochrome
(black/white) STN LCD

GT2103

Monochrome TFT LCD
with 32 gray scales

* Comparison of GT1020 and GT2103-P

Same compact
type, but
so much clearer!

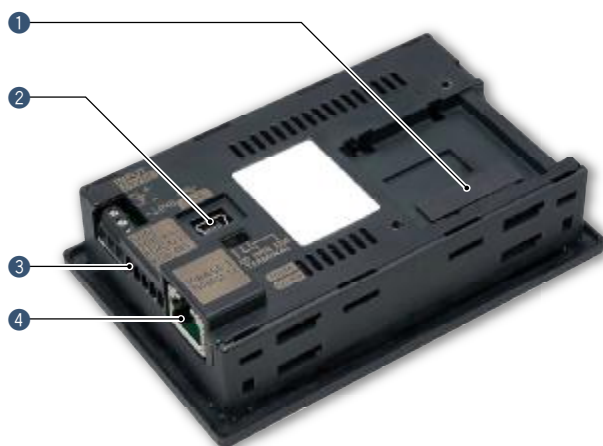
SD memory card unit is available!

SD memory cards can be used when the optional SD memory card unit is attached.



SD memory card unit
GT21-03SDCD
Separate SD memory card
is required.

■ GT2103-PMBD external appearance [rear face]



① SD memory card unit interface

Connect an optional SD memory card unit and save data including alarms and logging data.

* Excluding GT2103-PMBLS

② USB interface: device (USB Mini-B)

Connect to a personal computer and transfer data.

③ RS-422/485 interface

Connect to various industrial devices and barcode readers.

* Excluding GT2103-PMBDS2

* RS-422 on GT2103-PMBLS (dedicated to FX connection)

④ Ethernet interface

Use Ethernet to simultaneously connect up to two types of industrial devices from different manufacturers. CC-Link IE Field Network Basic compatible devices can also be connected.

* GT2103-PMBD only

GOT SIMPLE

Simple models with various user friendly features

For details



Concept movie



10" wide screen GOT2110-WTBD



7" wide screen GOT2107-WTBD

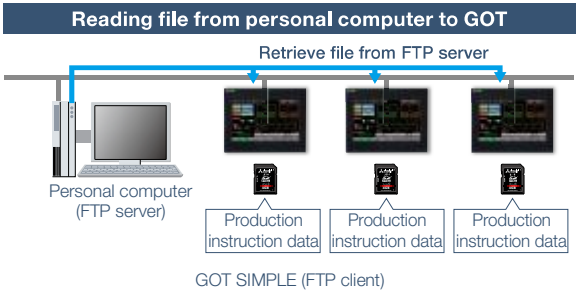
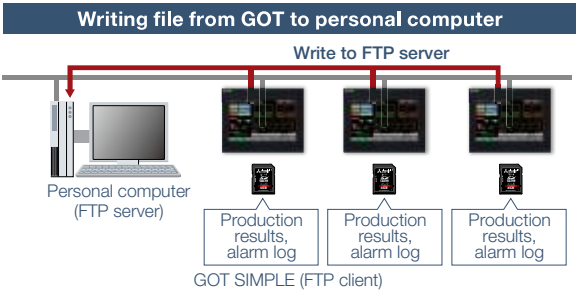
Enhanced basic functions

WVGA screen has sufficient display area for long alarm messages or wide trend graph display.
Not only Mitsubishi Electric industrial devices, but also third-party industrial devices can be connected to enable monitoring of the equipment. In addition, Ethernet printers can be used. **NEW**

Item	Specifications
Display	7"/10", TFT color LCD, 65536 colors
Resolution	WVGA
Backlight	White LED
User memory	Memory for storage (ROM): 9 MB
Standard interface	Ethernet, RS-232, RS-422 USB device (USB Mini-B): 1 channel (USB 1.1 (Full-Speed 12 Mbps)) SD memory card interface

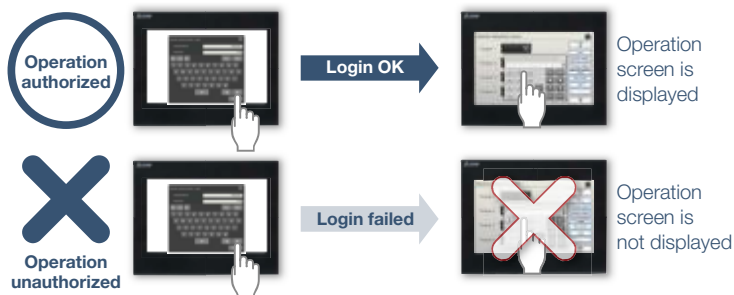
Easily exchange data with FTP

By using GOT, production results and alarm logs can be stored in an SD memory card of the GOT (FTP client) and sent to a personal computer (FTP server). The GOT can also receive the production instruction data from the personal computer.



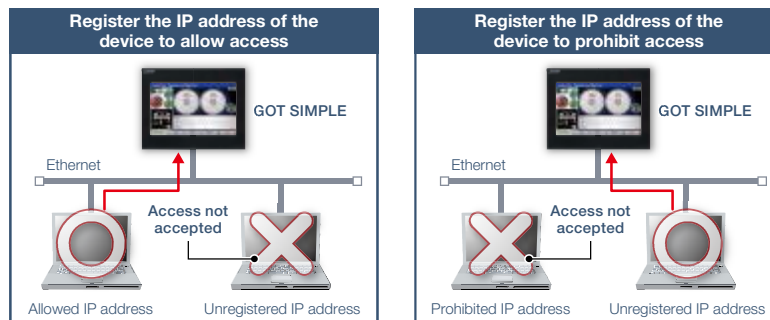
Security with password management

Setting the operation authority and the viewing authority per operator achieves “enhanced security” and “prevention of improper operation”. Operator authentication can be performed at startup and when the screen is switched.



IP filter function

Registering the IP address of the device which can access the GOT restricts the access from unauthorized devices. Registering the IP address of the device to prohibit access is also possible.

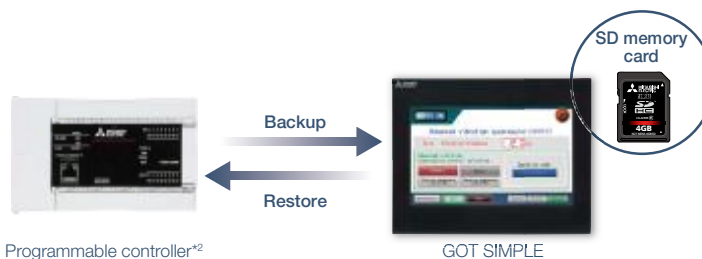


Backup important programs for safety in case of an error

Sequence programs can be replaced even without a personal computer. When the programs and parameters are backed up in GOT*¹, the data and machine operation can instantly be restored even if an unexpected failure occurs.

*¹ A separate SD memory card is required.

*² The target connection devices are QCPU, LCPU, FX5UCPU and FXCPU.



■ GOT SIMPLE Series external appearance [front face/rear face]



① GOT front face

IP65F front face protection is useful for various production machines and facilities.

② Ethernet interface

Use Ethernet to simultaneously connect up to two types of industrial devices from different manufacturers. CC-Link IE Field Network Basic compatible devices can also be connected.

③ RS-232 interface

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

④ RS-422 interface

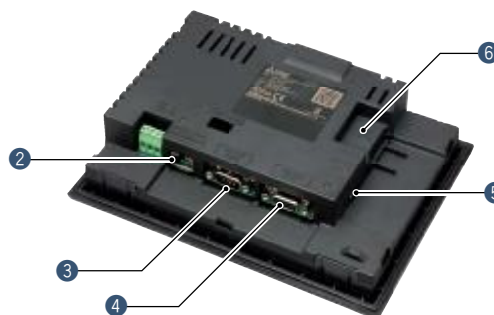
Connect to various industrial devices and barcode readers.

⑤ USB interface: device (USB Mini-B)

Connect to a personal computer and transfer data.

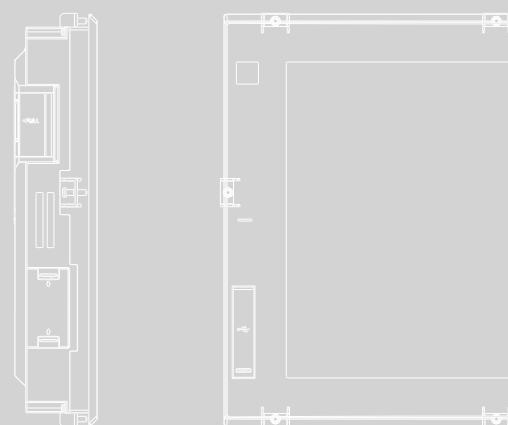
⑥ SD memory card interface

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



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Specifications

GT27 model

General specifications

Item	Specifications						
Operating ambient temperature ^{*1}	0 °C to 55 °C ^{*2}						^{*1} Includes the temperature inside the enclosure of the control panel to which the GOT is installed.
Storage ambient temperature	-20 °C to 60 °C						^{*2} When any of the following units or option is mounted, the maximum operating ambient temperature must be 5 °C lower than the one described in the general specifications: multimedia unit (GT27-MMR-Z), MELSECNET/H communication unit (GT15-J71LP23-25, GT15-J71BR13), CC-Link communication unit (GT15-J61BT13), protective cover for oil.
Operating ambient humidity	10% RH to 90% RH, non-condensing						
Storage ambient humidity	10% RH to 90% RH, non-condensing						
Vibration resistance	Compliant with JIS B 3502 and IEC 61131-2		Frequency	Acceleration	Half amplitude	Sweep count	^{*3} Do not use or store the GOT under a pressure higher than the atmospheric pressure at altitude 0 m. Doing so may cause a malfunction. Air purging by applying pressure to the control panel may create clearance between the surface sheet and the touch panel. This may cause the touch panel to be not sensitive enough or the sheet to come off.
			Under intermittent vibration	5 to 8.4 Hz	—	3.5 mm	
		Under continuous vibration	8.4 to 150 Hz	9.8 m/s ²	—	—	—
			5 to 8.4 Hz	—	1.75 mm	—	
Shock resistance	Compliant with JIS B 3502 and IEC 61131-2 (147 m/s ² (15G), 3 times in each X, Y, or Z direction)						^{*4} This indicates the section of the power supply to which the equipment is assumed to be connected between the public electrical power distribution network and the machinery within the premises. Category II applies to equipment that is supplied with power from fixed facilities. The withstand surge voltage for the equipment with the rated voltage up to 300 V is 2500 V.
	Compliant with JIS B 3502 and IEC 61131-2 (147 m/s ² (15G), 3 times in each X, Y, or Z direction)						
Operating atmosphere ^{*5}	No greasy fumes, corrosive gas, flammable gas, excessive conductive dust, and direct sunlight (as well as at storage)						
Operating altitude ^{*3}	2000 m or less						^{*5} This indicates the occurrence rate of conductive material in an environment where a device is used. Pollution degree 2 indicates an environment where only non-conductive pollution occurs normally and a temporary conductivity caused by condensation shall be expected depending on the conditions.
Installation location	Inside control panel						
Overvoltage category ^{*4}	II or less						
Pollution degree ^{*5}	2 or less						^{*6} Some models have ANSI/ISA 12.12.01 approval for use in Class I, Division 2 (ANSI/ISA 12.12.01, C22.2 No.213-M1987) hazardous locations. For applicable GOT models, please refer to the Mitsubishi Electric Factory Automation Global website (www.MitsubishiElectric.com/fa/).
Cooling method	Self-cooling						
Grounding	Grounding with a ground resistance of 100 Ω or less by using a ground cable that has a cross-sectional area of 2 mm ² or more. If impossible, connect the ground cable to the control panel.						
Operate and store the GOT in environments without direct sunlight, high temperature, dust, humidity, and vibrations.							
For the status of conforming to various standards and laws (CE, ATEX, UL/cUL, Class I Division 2, EAC, KC, KCs, and maritime certifications [ABS/BV/DNV GL/LR/NK/RINA]), please refer to the Mitsubishi Electric Factory Automation Global website (www.MitsubishiElectric.com/fa/).							

Performance specifications

Item		Specifications			
		GT2715-XTBA GT2715-XTBD	GT2712-STBA GT2712-STBD	GT2712-STWA GT2712-STWD	GT2710-STBA GT2710-STBD
Display section *1 *2	Display device	TFT color LCD			
	Screen size	15"	12.1"	10.4"	
	Resolution	XGA: 1024 × 768 dots			
	Display size	304.1(11.97) (W) × 228.1(8.98) (H) mm(inch)	246(9.69) (W) × 184.5(7.26) (H) mm(inch)		211.2(8.31) (W) × 158.4(6.24) (H) mm(inch)
	Number of displayed characters	16-dot standard font: 64 characters × 48 lines (two-byte characters) 12-dot standard font: 85 characters × 64 lines (two-byte characters)	16-dot standard font: 50 characters × 37 lines (two-byte characters) 12-dot standard font: 66 characters × 50 lines (two-byte characters)		
	Display color	65536 colors			
	Brightness adjustment	32 levels			
	Backlight	LED (not replaceable)			
Touch panel *3 *11	Backlight life *4	Approx. 60000 h (operating ambient temperature: 25 °C, display intensity: 50%)			
	Type	Analog resistive film			
	Key size	Minimum 2 × 2 dots *8 (per key)			
	Simultaneous press	Up to two points			
	Life	1 million touches or more (operating force: 0.98 N or less)			
Panel color		Black		White	Black
Human sensor	Detection length	1 m		—	
	Detection temperature	Temperature difference between human body and ambient air: 4 °C or higher		—	
User memory	User memory capacity	Memory for storage (ROM) *12: 57 MB Memory for operation (RAM): 128 MB			
	Life (number of write times)	100000 times			
Built-in clock precision		±90 seconds/month (ambient temperature: 25 °C)			
Battery		GT11-50BAT lithium battery			
	Data to be backed up	SRAM data, clock data, system status log data			
Built-in interface	Life	Approx. 5 years (ambient temperature: 25 °C)			
	RS-232	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (male)			
	RS-422/485	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (female)			
	Ethernet	1 channel Data transfer method: 100BASE-TX, 10BASE-T Connector shape: RJ-45 (modular jack)			
	USB (host)	2 channels (front face, rear face)	1 channel (rear face)	2 channels (front face, rear face)	
	USB (device)	USB version: USB 2.0 (High-Speed 480 Mbps), Connector shape: USB-A			
		1 channel (front face)	1 channel (rear face)	1 channel (front face)	
	SD memory card *12	USB version: USB 2.0 (High-Speed 480 Mbps), Connector shape: USB Mini-B			
	Extension interface *7	1 channel, SDHC compliant (maximum 32 GB)			
	Auxiliary extension interface	For installing a communication unit or an option unit			
Side interface	For installing an option unit				
Buzzer output		For installing a communication unit			
POWER LED		Single tone (tone and tone length adjustable)			
Protective structure *5		2 colors (blue and orange)			
Safety standards, radio laws (as of December 2019)		Front: IP67F *6 *9 Inside control panel: IP2X			
		CE, UL, cUL, EAC, KC		CE, ATEX *10, UL, cUL, Class I Division 2, EAC, KC, KCs *10	CE, UL, cUL, EAC, KC
External dimensions		397(15.63) (W) × 300(11.81) (H) × 60(2.36) (D) mm(inch)	316(12.44) (W) × 246(9.69) (H) × 52(2.05) (D) mm(inch)		303(11.93) (W) × 218(8.58) (H) × 52(2.05) (D) mm(inch)
Panel cut dimensions		383.5(15.10) (W) × 282.5(11.12) (H) mm(inch)	302(11.89) (W) × 228(8.98) (H) mm(inch)		289(11.38) (W) × 200(7.87) (H) mm(inch)
Weight (excluding a fitting)		4.5(9.9) kg(lb)	2.4(5.3) kg(lb)		2.1(4.6) kg(lb)
Compatible software package		GT Works3 Version 1.225K or later			

^{*1} As a characteristic of liquid crystal display panels, bright dots (always lit) and dark dots (never lit) may appear on the panel. Since liquid crystal display panels comprise a great number of display elements, the appearance of bright and dark dots cannot be reduced to zero. Individual differences in liquid crystal display panels may cause differences in color, uneven brightness and flickering. Note that these phenomena are characteristics of liquid crystal display panels and it does not mean the products are defective or damaged.

^{*2} Flickering may occur due to vibration, shock, or the display colors.

^{*3} When a stylus is used, the touch panel has a life of 100 thousand touches. The stylus must satisfy the following specifications.
• Material: polyacetal resin • Tip radius: 0.8 mm or more

^{*4} To prevent the display section from burning in and lengthen the backlight life, enable the screen save function and turn off the backlight.

^{*5} Note that the structure does not guarantee protection in all users' environments. The GOT may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.

Power supply specifications

Item		Specifications								
		GT2715-XTBA	GT2712-STBA GT2712-STWA	GT2710-STBA GT2710-VTBA GT2710-VTWA	GT2708-STBA GT2708-VTBA	GT2715-XTBD	GT2712-STBD GT2712-STWD	GT2710-STBD GT2710-VTBD GT2710-VTWD	GT2708-STBD GT2708-VTBD	GT2705-VTBD
Power supply voltage		100 V AC to 240 V AC (+10%, -15%)				24 V DC (+25%, -20%)				
Power supply frequency		50 Hz/60 Hz (±5%)				—				
Power consumption	Under the maximum load	51 W or less	44 W or less	41 W or less	41 W or less	48 W or less	45 W or less	42 W or less	39 W or less	30 W or less
	Main unit	25 W	19 W	17 W	15 W	23 W	18 W	15 W	13 W	7 W
	Main unit (backlight OFF)	10 W	10 W	10 W	10 W	8 W	8 W	8 W	8 W	5 W
Inrush current		40 A or less (3 ms, ambient temperature: 25 °C, under the maximum load)	60 A or less (2 ms, ambient temperature: 25 °C, under the maximum load)			5 A or less (20 ms, ambient temperature: 25 °C, under the maximum load)				69 A or less (1 ms, ambient temperature: 25 °C, under the maximum load)
Permissible instantaneous power failure time		20 ms or less (100 V AC or more)				10 ms or less				
Noise immunity		Noise voltage: 1500 Vp-p, noise width: 1 μs, measured by a noise simulator with noise frequency ranging from 25 Hz to 60 Hz				Noise voltage: 500 Vp-p, noise width: 1 μs, measured by a noise simulator with noise frequency ranging from 25 Hz to 60 Hz				
Withstand voltage		1500 V AC for 1 minute across power terminals and earth				350 V AC for 1 minute across power terminals and earth				
Insulation resistance		500 V DC across power terminals and earth, 10 MΩ or more by an insulation resistance tester								

Item		Specifications				
		GT2710-VTBA GT2710-VTBD	GT2710-VTWA GT2710-VTWD	GT2708-STBA GT2708-STBD	GT2708-VTBA GT2708-VTBD	GT2705-VTBD
Display section *1 *2	Display device	TFT color LCD				
	Screen size	10.4"		8.4"		5.7"
	Resolution	VGA: 640 × 480 dots		SVGA: 800 × 600 dots	VGA: 640 × 480 dots	
	Display size	211.2(8.31) (W) × 158.4(6.24) (H) mm(inch)		170.9(6.73) (W) × 128.2(5.05) (H) mm(inch)		115.2(4.54) (W) × 86.4(3.40) (H) mm(inch)
	Number of displayed characters	16-dot standard font: 40 characters × 30 lines (two-byte characters)		16-dot standard font: 50 characters × 37 lines (two-byte characters)	16-dot standard font: 40 characters × 30 lines (two-byte characters)	
		12-dot standard font: 53 characters × 40 lines (two-byte characters)		12-dot standard font: 66 characters × 50 lines (two-byte characters)	12-dot standard font: 53 characters × 40 lines (two-byte characters)	
	Display color	65536 colors				
	Brightness adjustment	32 levels				
Backlight	LED (not replaceable)					
	Approx. 60000 h (operating ambient temperature: 25 °C, display intensity: 50%)					
	Analog resistive film					
	Minimum 2 × 2 dots *8 (per key)					
Touch panel *3 *11	Type	Up to two points				
	Key size	1 million touches or more (operating force: 0.98 N or less)				
	Simultaneous press					
Life						
Panel color		Black	White	Black		
Human sensor	Detection length	—				
	Detection temperature	—				
User memory	User memory capacity	Memory for storage (ROM) *12: 57 MB Memory for operation (RAM): 128 MB				Memory for storage (ROM) *12: 32 MB Memory for operation (RAM): 80 MB
	Life (number of write times)	100000 times				
Built-in clock precision		±90 seconds/month (ambient temperature: 25 °C)				
Battery	GT11-50BAT lithium battery					
	Data to be backed up	SRAM data, clock data, system status log data				
	Life	Approx. 5 years (ambient temperature: 25 °C)				
Built-in interface	RS-232	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (male)				
	RS-422/485	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (female)				
	Ethernet	1 channel Data transfer method: 100BASE-TX, 10BASE-T Connector shape: RJ-45 (modular jack)				
	USB (host)	2 channels (front face, rear face)	1 channel (rear face)	2 channels (front face, rear face)		
	USB (device)	USB version: USB 2.0 (High-Speed 480 Mbps), Connector shape: USB-A				
		1 channel (front face)	1 channel (rear face)	1 channel (front face)		
		USB version: USB 2.0 (High-Speed 480 Mbps), Connector shape: USB Mini-B				
	SD memory card *12	1 channel, SDHC compliant (maximum 32 GB)				
	Extension interface *7	For installing a communication unit or an option unit				
	Auxiliary extension interface	For installing an option unit				—
Side interface						
Buzzer output	For installing a communication unit					
POWER LED	Single tone (tone and tone length adjustable)					
Protective structure *5	2 colors (blue and orange)					
	Front: IP67F *6 *9 Inside control panel: IP2X					
Safety standards, radio laws (as of December 2019)		CE, UL, cUL, EAC, KC	CE, ATEX *10, UL, cUL, Class I Division 2, EAC, KC, KCs *10	CE, UL, cUL, EAC, KC		
External dimensions		303(11.93) (W) × 218(8.58) (H) × 52(2.05) (D) mm(inch)			241(9.49) (W) × 194(7.64) (H) × 52(2.05) (D) mm(inch)	
Panel cut dimensions		289(11.38) (W) × 200(7.87) (H) mm(inch)			227(8.94) (W) × 176(6.93) (H) mm(inch)	
Weight (excluding a fitting)		2.1(4.6) kg(lb)			1.5(3.3) kg(lb)	
Compatible software package		GT Works3 Version1.225K or later				

*6 To conform to IP67F, close the USB environmental protection cover by pushing the [PUSH] mark firmly. (The GOT conforms to IP2X when the USB environmental protection cover is open.)

*7 When using a GT2705-VTBD with multiple devices such as extension units, a barcode reader, and an RFID controller, the total amount of current must be within the maximum amount of current supplied by the GT2705-VTBD. For the details, please refer to the relevant manual of the GOT2000 Series.

*8 The minimum size of a key that can be arranged. To ensure safe use of the product, the following settings are recommended.
• Key size: 16 × 16 dots or larger • Distance between keys: 16 dots or more

*9 The suffix "F" of IP67F is a symbol that indicates protection rate against oil. It is described in the Appendix of Japanese Industrial Standard JIS C 0920.

*10 ATEX and KCs are supported by GT2712-STWD and GT2710-VTWD (24 V DC power supply type) only.

*11 Repeatedly touching the outer edge of the actual display area may cause the product to fail.

*12 While writing data to the memory for storage (ROM) or an SD memory card, if GOT is powered off, the data may be corrupted which may cause the GOT to stop operating.

Specifications

GT25 model

* For the specifications of GT25 wide models, GT25 handy GOT, and GT25 rugged model, please refer to pages 128 to 131.

General specifications

Item	Specifications						
Operating ambient temperature *1	0 °C to 55 °C *2 *7						*1 Includes the temperature inside the enclosure of the control panel to which the GOT is installed.
Storage ambient temperature	-20 °C to 60 °C						*2 When any of the following units or option is mounted, the maximum operating ambient temperature must be 5 °C lower than the one described in the general specifications: MELSECNET/H communication unit (GT15-J71LP23-25, GT15-J71BR13), CC-Link communication unit (GT15-J61BT13), protective cover for oil.
Operating ambient humidity	10% RH to 90% RH, non-condensing *8						
Storage ambient humidity	10% RH to 90% RH, non-condensing *8						
Vibration resistance	Compliant with JIS B 3502 and IEC 61131-2		Frequency	Acceleration	Half amplitude	Sweep count	
		Under intermittent vibration	5 to 8.4 Hz	—	3.5 mm	10 times in each X, Y, or Z direction	
			8.4 to 150 Hz	9.8 m/s ²	—		
		Under continuous vibration	5 to 8.4 Hz	—	1.75 mm	—	
8.4 to 150 Hz	4.9 m/s ²		—				
Shock resistance	Compliant with JIS B 3502 and IEC 61131-2 (147 m/s ² (15G), 3 times in each X, Y, or Z direction)						*4 This indicates the section of the power supply to which the equipment is assumed to be connected between the public electrical power distribution network and the machinery within the premises. Category II applies to equipment that is supplied with power from fixed facilities. The withstand surge voltage for the equipment with the rated voltage up to 300 V is 2500 V.
Operating atmosphere *8	No greasy fumes, corrosive gas, flammable gas, excessive conductive dust, and direct sunlight (as well as at storage)						
Operating altitude *3	2000 m or less						
Installation location	Inside control panel						
Overvoltage category *4	II or less						*5 This indicates the occurrence rate of conductive material in an environment where a device is used. Pollution degree 2 indicates an environment where only non-conductive pollution occurs normally and a temporary conductivity caused by condensation shall be expected depending on the conditions.
Pollution degree *5	2 or less						
Cooling method	Self-cooling						
Grounding	Grounding with a ground resistance of 100 Ω or less by using a ground cable that has a cross-sectional area of 2 mm ² or more. If impossible, connect the ground cable to the control panel.						*6 Some models have ANSI/ISA 12.12.01 approval for use in Class I, Division 2 (ANSI/ISA 12.12.01, C22.2 No.213-M1987) hazardous locations. For applicable GOT models, please refer to the Mitsubishi Electric Factory Automation Global website (www.MitsubishiElectric.com/fa/).
Operate and store the GOT in environments without direct sunlight, high temperature, dust, humidity, and vibrations.							
For the status of conforming to various standards and laws (CE, ATEX, UL/cUL, Class I Division 2, EAC, KC, KCs, and maritime certifications [ABS/BV/DNV GL/LR/NK/RINA]), please refer to the Mitsubishi Electric Factory Automation Global website (www.MitsubishiElectric.com/fa/).							

Performance specifications

Item		Specifications				
		GT2512-STBA GT2512-STBD	GT2512F-STNA GT2512F-STND	GT2510-VTBA GT2510-VTBD	GT2510-VTWA GT2510-VTWD	GT2510F-VTNA GT2510F-VTND
Display section *1 *2	Display device	TFT color LCD				
	Screen size	12.1"		10.4"		
	Resolution	SVGA: 800 × 600 dots		VGA: 640 × 480 dots		
	Display size	246(9.69) (W) × 184.5(7.26) (H) mm(inch)		211.2(8.31) (W) × 158.4(6.24) (H) mm(inch)		
	Number of displayed characters	16-dot standard font: 50 characters × 37 lines (two-byte characters) 12-dot standard font: 66 characters × 50 lines (two-byte characters)		16-dot standard font: 40 characters × 30 lines (two-byte characters) 12-dot standard font: 53 characters × 40 lines (two-byte characters)		
	Display color	65536 colors				
	Brightness adjustment	32 levels				
	Backlight	LED (not replaceable)				
Backlight life *4	Approx. 60000 h (operating ambient temperature: 25 °C, display intensity: 50%)					
Touch panel *3 *12	Type	Analog resistive film				
	Key size	Minimum 2 × 2 dots *9 (per key)				
	Simultaneous press	Not available *5 (Only 1 point can be touched.)				
	Life	1 million touches or more (operating force: 0.98 N or less)				
Panel color		Black	—	Black	White	—
User memory	User memory capacity	Memory for storage (ROM) *13: 32 MB Memory for operation (RAM): 80 MB				
	Life (number of write times)	100000 times				
Built-in clock precision		±90 seconds/month (ambient temperature: 25 °C) GT11-50BAT lithium battery				
Battery	Data to be backed up	SRAM data, clock data, system status log data				
	Life	Approx. 5 years (ambient temperature: 25 °C)				
Built-in interface	RS-232	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (male)				
	RS-422/485	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (female)				
	Ethernet	1 channel Data transfer method: 100BASE-TX, 10BASE-T Connector shape: RJ-45 (modular jack)				
	USB (host)	2 channels (front face, rear face)	1 channel (rear face)	2 channels (front face, rear face)	1 channel (rear face)	
	USB (device)	USB version: USB 2.0 (High-Speed 480 Mbps), Connector shape: USB-A				
		1 channel (front face)	1 channel (rear face)	1 channel (front face)	1 channel (rear face)	
	SD memory card *13	USB version: USB 2.0 (High-Speed 480 Mbps), Connector shape: USB Mini-B				
		1 channel, SDHC compliant (maximum 32 GB)				
Extension interface	For installing a communication unit or an option unit					
Side interface	For installing a communication unit					
Buzzer output	Single tone (tone and tone length adjustable)					
POWER LED	2 colors (blue and orange)					
Protective structure *6	Front: IP67F *7 *10 Inside control panel: IP2X	Front: IP67F *8 *10 Inside control panel: IP2X	Front: IP67F *7 *10 Inside control panel: IP2X	Front: IP67F *10 Inside control panel: IP2X	Front: IP67F *8 *10 Inside control panel: IP2X	
Safety standards, radio laws (as of December 2019)	CE, UL, cUL, EAC, KC			CE, ATEX *11, UL, cUL, Class I Division 2, EAC, KC, KCs *11		
External dimensions	316(12.44) (W) × 246(9.69) (H) × 52(2.05) (D) mm(inch)	311(12.24) (W) × 237(9.33) (H) × 54(2.13) (D) mm(inch)	303(11.93) (W) × 218(8.58) (H) × 52(2.05) (D) mm(inch)		298(11.73) (W) × 209(8.23) (H) × 54(2.13) (D) mm(inch)	
Panel cut dimensions	302(11.89) (W) × 228(8.98) (H) mm(inch)	269(10.59) (W) × 214(8.43) (H) mm(inch)	289(11.38) (W) × 200(7.87) (H) mm(inch)		234(9.21) (W) × 187(7.36) (H) mm(inch)	
Weight (excluding a fitting)	2.4(5.3) kg(lb)			2.1(4.6) kg(lb)		
Compatible software package	GT Works3 Version1.225K or later					

*1 As a characteristic of liquid crystal display panels, bright dots (always lit) and dark dots (never lit) may appear on the panel. Since liquid crystal display panels comprise a great number of display elements, the appearance of bright and dark dots cannot be reduced to zero. Individual differences in liquid crystal display panels may cause differences in color, uneven brightness and flickering. Note that these phenomena are characteristics of liquid crystal display panels and it does not mean the products are defective or damaged.

*2 Flickering may occur due to vibration, shock, or the display colors.

*3 When a stylus is used, the touch panel has a life of 100 thousand touches. The stylus must satisfy the following specifications.

• Material: polyacetal resin • Tip radius: 0.8 mm or more

*4 To prevent the display section from burning in and lengthen the backlight life, enable the screen save function and turn off the backlight.

*5 If you touch two points or more simultaneously on the touch panel, a touch switch near the touched points may operate unexpectedly. Do not touch two points or more simultaneously on the touch panel.

*6 Note that the structure does not guarantee protection in all users' environments. The GOT may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.

Power supply specifications

Item		Specifications						
		GT2512-STBA GT2512F-STNA	GT2510-VTBA GT2510F-VTNA	GT2508-VTBA GT2508F-VTNA	GT2512-STBD GT2512F-STND	GT2510-VTBD GT2510F-VTND	GT2508-VTBD GT2508F-VTND	GT2505-VTBD
Power supply voltage		100 V AC to 240 V AC (+10%, -15%)			24 V DC (+25%, -20%)			24 V DC (+10%, -15%)
Power supply frequency		50 Hz/60 Hz (±5%)			—			—
Power consumption	Under the maximum load	35 W or less	34 W or less	31 W or less	37 W or less	33 W or less	31 W or less	8.4 W or less
	Main unit	14 W	12 W	11 W	13 W	10 W	8 W	4.3 W
	Main unit (backlight OFF)	7 W	7 W	7 W	6 W	6 W	6 W	2.6 W
Inrush current		60 A or less (2 ms, ambient temperature: 25 °C, under the maximum load)			5 A or less (20 ms, ambient temperature: 25 °C, under the maximum load)			42 A or less (2 ms, ambient temperature: 25 °C, under the maximum load)
Permissible instantaneous power failure time		20 ms or less (100 V AC or more)			10 ms or less			—
Noise immunity		Noise voltage: 1500 Vp-p, noise width: 1 μs, measured by a noise simulator with noise frequency ranging from 25 Hz to 60 Hz			Noise voltage: 500 Vp-p, noise width: 1 μs, measured by a noise simulator with noise frequency ranging from 25 Hz to 60 Hz			Noise voltage: 1000 Vp-p, noise width: 1 μs, measured by a noise simulator with noise frequency ranging from 30 Hz to 100 Hz
Withstand voltage		1500 V AC for 1 minute across power terminals and earth			350 V AC for 1 minute across power terminals and earth			500 V AC for 1 minute across power terminals and earth
Insulation resistance		500 V DC across power terminals and earth, 10 MΩ or more by an insulation resistance tester						

Item		Specifications			
		GT2508-VTBA GT2508-VTBD	GT2508-VTWA GT2508-VTWD	GT2508F-VTNA GT2508F-VTND	GT2505-VTBD
Display section *1 *2	Display device	TFT color LCD			
	Screen size	8.4"			5.7"
	Resolution	VGA: 640 × 480 dots			
	Display size	170.9(6.73) (W) × 128.2(5.05) (H) mm(inch)			115.2(4.54) (W) × 86.4(3.40) (H) mm(inch)
	Number of displayed characters	16-dot standard font: 40 characters × 30 lines (two-byte characters) 12-dot standard font: 53 characters × 40 lines (two-byte characters)			
	Display color	65536 colors			
	Brightness adjustment	32 levels			
	Backlight	LED (not replaceable)			
	Backlight life *4	Approx. 60000 h (operating ambient temperature: 25 °C, display intensity: 50%)			
Touch panel *3 *12	Type	Analog resistive film			
	Key size	Minimum 2 × 2 dots *9 (per key)			
	Simultaneous press	Not available *5 (Only 1 point can be touched.)			
	Life	1 million touches or more (operating force: 0.98 N or less)			
Panel color		Black	White	—	Black
User memory	User memory capacity	Memory for storage (ROM) *13: 32 MB Memory for operation (RAM): 80 MB			
	Life (number of write times)	100000 times			
Built-in clock precision		±90 seconds/month (ambient temperature: 25 °C)			
Battery	Data to be backed up	SRAM data, clock data, system status log data			
	Life	Approx. 5 years (ambient temperature: 25 °C)			
Built-in interface	RS-232	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (male)			
	RS-422/485	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (female)			
	Ethernet	1 channel Data transfer method: 100BASE-TX, 10BASE-T Connector shape: RJ-45 (modular jack)			
	USB (host)	2 channels (front face, rear face)	1 channel (rear face)	1 channel (rear face)	
		USB version: USB 2.0 (High-Speed 480 Mbps), Connector shape: USB-A			
	USB (device)	1 channel (front face)	1 channel (rear face)	1 channel (front face)	
		USB version: USB 2.0 (High-Speed 480 Mbps), Connector shape: USB Mini-B			
	SD memory card *13	1 channel, SDHC compliant (maximum 32 GB)			
	Extension interface	For installing a communication unit or an option unit			—
Side interface	For installing a communication unit			—	
Buzzer output	Single tone (tone and tone length adjustable)				
POWER LED	2 colors (blue and orange)				
Protective structure *6	Front: IP67F *7 *10 Inside control panel: IP2X	Front: IP67F *10 Inside control panel: IP2X	Front: IP67F *8 *10 Inside control panel: IP2X	Front: IP67F *7 *10 Inside control panel: IP2X	
Safety standards, radio laws (as of December 2019)	CE, UL, cUL, EAC, KC	CE, ATEX *11, UL, cUL, Class I Division 2, EAC, KC, KCs *11	CE, UL, cUL, EAC, KC		
External dimensions	241(9.49) (W) × 194(7.64) (H) × 52(2.05) (D) mm(inch)		236(9.29) (W) × 185(7.28) (H) × 54(2.13) (D) mm(inch)	164(6.46) (W) × 139(5.47) (H) × 53.5(2.11) (D) mm(inch)	
Panel cut dimensions	227(8.94) (W) × 176(6.93) (H) mm(inch)		194(7.64) (W) × 158(6.22) (H) mm(inch)	153(6.02) (W) × 121(4.76) (H) mm(inch)	
Weight (excluding a fitting)	1.5(3.3) kg(lb)			0.6(1.3) kg(lb)	
Compatible software package	GT Works3 Version 1.225K or later				

*7 To conform to IP67F, close the USB environmental protection cover by pushing the [PUSH] mark or the [PULL] mark firmly. (The GOT conforms to IP2X when the USB environmental protection cover is open.)

*8 To conform to IP67F attach the environmental protection sheet.

*9 The minimum size of a key that can be arranged. To ensure safe use of the product, the following settings are recommended.

- Key size: 16 × 16 dots or larger
- Distance between keys: 16 dots or more

*10 The suffix "F" of IP67F is a symbol that indicates protection rate against oil. It is described in the Appendix of Japanese Industrial Standard JIS C 0920.

*11 ATEX and KCs are supported by GT2510-VTWD and GT2508-VTWD (24 V DC power supply type) only.

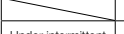
*12 Repeatedly touching the outer edge of the actual display area may cause the product to fail.

*13 While writing data to the memory for storage (ROM) or an SD memory card, if GOT is powered off, the data may be corrupted which may cause the GOT to stop operating.

Specifications

GT25 wide model/GT25 handy GOT

General specifications

Item	Specifications						
	GT25 wide model		GT25 handy GOT				
Operating ambient temperature *1	0 °C to 55 °C *5		0 °C to 40 °C				
Storage ambient temperature	-20 °C to 60 °C						
Operating ambient humidity	10% RH to 90% RH, non-condensing						
Storage ambient humidity	10% RH to 90% RH, non-condensing						
Vibration resistance	Compliant with JIS B 3502 and IEC 61131-2		Frequency	Acceleration	Half amplitude		
			5 to 8.4 Hz	—	3.5 mm		
		Under intermittent vibration	8.4 to 150 Hz	9.8 m/s ²	—	10 times in each X, Y, or Z direction	
			Under continuous vibration	5 to 8.4 Hz	—	1.75 mm	—
				8.4 to 150 Hz	4.9 m/s ²	—	
Shock resistance	Compliant with JIS B 3502 and IEC 61131-2 (147 m/s ² (15G), 3 times in each X, Y, or Z direction)						
Operating atmosphere	No greasy fumes, corrosive gas, flammable gas, excessive conductive dust, and direct sunlight (as well as at storage)						
Operating altitude *2	2000 m or less						
Installation location	Inside control panel		—				
Overvoltage category *3	II or less						
Pollution degree *4	2 or less						
Cooling method	Self-cooling						
Grounding	Grounding with a ground resistance of 100 Ω or less by using a ground cable that has a cross-sectional area of 2 mm ² or more. If impossible, connect the ground cable to the control panel.						

*1 Includes the temperature inside the enclosure of the control panel to which the GOT is installed. (GT25 wide model)

*2 Do not use or store the GOT under a pressure higher than the atmospheric pressure at altitude 0 m. Doing so may cause a malfunction. Air purging by applying pressure to the control panel may create clearance between the surface sheet and the touch panel. This may cause the touch panel to be not sensitive enough or the sheet to come off.

*3 This indicates the section of the power supply to which the equipment is assumed to be connected between the public electrical power distribution network and the machinery within the premises. Category II applies to equipment that is supplied with power from fixed facilities. The withstand surge voltage for the equipment with the rated voltage up to 300 V is 2500 V.

*4 This indicates the occurrence rate of conductive material in an environment where a device is used. Pollution degree 2 indicates an environment where only non-conductive pollution occurs normally and a temporary conductivity caused by condensation shall be expected depending on the conditions.

*5 When a protective cover for oil is mounted on the GOT, the maximum operating ambient temperature must be 5°C lower than the one described in the general specifications.

Operate and store the GOT in environments without direct sunlight, high temperature, dust, humidity, and vibrations.

For the status of conforming to various standards and laws (CE, ATEX, UL/cUL, Class I Division 2, EAC, KC, KCs, and maritime certifications [ABS/BV/DNV GL/LR/NK/RINA]), please refer to the Mitsubishi Electric Factory Automation Global website (www.MitsubishiElectric.com/fa/).

Performance specifications

Item		Specifications			
		GT25 wide model			
		GT2510-WXTBD	GT2510-WXTSD	GT2507-WTBD	GT2507-WTSD
Display section *1 *2	Display device	TFT color LCD			
	Screen size	10.1" widescreen		7" widescreen	
	Resolution	WXGA: 1280 × 800 dots		WVGA: 800 × 480 dots	
	Display size	216.96(8.54) (W) × 135.6(5.34) (H) mm(inch)		152.40(6.00) (W) × 91.44(3.60) (H) mm (inch)	
	Number of displayed characters	16-dot standard font: 80 characters × 50 lines (two-byte characters) 12-dot standard font: 106 characters × 66 lines (two-byte characters)		16-dot standard font: 50 characters × 30 lines (two-byte characters) 12-dot standard font: 66 characters × 40 lines (two-byte characters)	
	Display color	65536 colors			
	Brightness adjustment	32 levels			
	Backlight	LED (not replaceable)			
Backlight life *4	Approx. 50000 h (operating ambient temperature: 25°C, display intensity: 50%)				
Touch panel *3 *11	Type	Analog resistive film			
	Key size	Minimum 2 × 2 dots *8 (per key)			
	Simultaneous press	Not available *5 (Only 1 point can be touched.)			
	Life	1 million touches or more (operating force: 0.98 N or less)			
Panel color		Black	Silver *10	Black	Silver *10
User memory	User memory capacity	Memory for storage (ROM) *12: 32 MB Memory for operation (RAM): 128 MB			
	Life (number of write times)	100000 times			
Built-in clock precision		±90 seconds/month (ambient temperature: 25 °C)			
Battery		GT11-50BAT lithium battery			
	Data to be backed up	SRAM data, clock data, system status log data			
Built-in interface	Life	Approx. 5 years (ambient temperature: 25 °C)			
	RS-232	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (male)			
	RS-422/485	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (female)			
	Ethernet	2 channel Data transfer method: 100BASE-TX, 10BASE-T Connector shape: RJ-45 (modular jack)			
	USB (host)	1 channel (rear face) USB version: USB 2.0 (High-Speed 480 Mbps), Connector shape: USB-A			
	USB (device)	1 channel (front face) USB version: USB 2.0 (High-Speed 480 Mbps), Connector shape: USB Mini-B			
	SD memory card *12	1 channel, SDHC compliant (maximum 32 GB)			
	Wireless LAN communication unit interface	For installing a wireless LAN communication unit			
Sound output interface	1 channel, WAV format (16 bits, 8,000 kHz/16,000 kHz, monoral) applicable plug: φ3.5 stereo mini-plug (3-prong)				
Buzzer output		Single tone (tone and tone length adjustable)			
POWER LED		2 colors (blue and orange)			
Protective structure *6		Front: IP67F *7 *9 Inside control panel: IP2X			
Safety standards, radio laws (as of December 2019)		CE, UL, cUL, EAC, KC			
External dimensions		252(9.92) (W) × 194(7.64) (H) × 48(1.89) (D) mm(inch)		189(7.44) (W) × 142(5.59) (H) × 48(1.89) (D) mm(inch)	
Panel cut dimensions		243.5(9.59) (W) × 185.5(7.30) (H) mm(inch)		180.5(7.11) (W) × 133.5(5.26) (H) mm(inch)	
Weight (excluding a fitting)		1.2(2.6) kg(lb)		0.75(1.7) kg(lb)	
Compatible software package		GT Works3 Version1.225K or later			

^{*1} As a characteristic of liquid crystal display panels, bright dots (always lit) and dark dots (never lit) may appear on the panel. Since liquid crystal display panels comprise a great number of display elements, the appearance of bright and dark dots cannot be reduced to zero. Individual differences in liquid crystal display panels may cause differences in color, uneven brightness and flickering. Note that these phenomena are characteristics of liquid crystal display panels and it does not mean the products are defective or damaged.

^{*2} Flickering may occur due to vibration, shock, or the display colors.

^{*3} When a stylus is used, the touch panel has a life of 100 thousand touches. The stylus must satisfy the following specifications.

• Material: polyacetal resin • Tip radius: 0.8 mm or more

^{*4} To prevent the display section from burning in and lengthen the backlight life, enable the screen save function and turn off the backlight.

^{*5} If you touch two points or more simultaneously on the touch panel, a touch switch near the touched points may operate unexpectedly. Do not touch two points or more simultaneously on the touch panel.

^{*6} Note that the structure does not guarantee protection in all users' environments. The GOT may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.

^{*7} To conform to IP67F, close the USB environmental protection cover by pushing the [PULL] mark firmly. (The GOT conforms to IP2X when the USB environmental protection cover is open.)

^{*8} The minimum size of a key that can be arranged. To ensure safe use of the product, the following settings are recommended.

• Key size: 16 × 16 dots or larger • Distance between keys: 16 dots or more

^{*9} The suffix "F" of IP67F is a symbol that indicates protection rate against oil. It is described in the Appendix of Japanese Industrial Standard JIS C 0920.

Power supply specifications

Item		Specifications			
		GT25 wide model		GT25 handy GOT	
		GT2510-WXTBD GT2510-WXTSD	GT2507-WTBD GT2507-WTSD	GT2506HS-VTBD	GT2505HS-VTBD
Power supply voltage		24 V DC (+25%, -20%)		24 V DC (+10%, -15%)	
Power consumption	Under the maximum load	16 W or less		11.6 W or less	8.4 W or less
	Main unit	9 W		—	
	Main unit (backlight OFF)	5 W		8.2 W	7.0 W
Inrush current		59 A or less (2 ms, ambient temperature: 25 °C, under the maximum load)		30 A or less (2 ms, ambient temperature: 25 °C, under the maximum load)	
Permissible instantaneous power failure time		5 ms or less			
Noise immunity		Noise voltage: 500 Vp-p, noise width: 1 μs, measured by a noise simulator with noise frequency ranging from 25 Hz to 60 Hz		Noise voltage: 1000 Vp-p, noise width: 1 μs, measured by a noise simulator with noise frequency ranging from 30 Hz to 100 Hz	
Withstand voltage		350 V AC for 1 minute across power terminals and earth		500 V DC for 1 minute across power terminals and earth	
Insulation resistance		500 V DC across power terminals and earth, 10 MΩ or more by an insulation resistance tester			

Item		Specifications	
		GT25 handy GOT	
		GT2506HS-VTBD	GT2505HS-VTBD
Display section *1 *2	Display device	TFT color LCD	
	Screen size	6.5"	5.7"
	Resolution	VGA: 640 × 480 dots	
	Display size	132.5(5.22) (W) × 99.4(3.91) (H) mm(inch)	115.2(4.54) (W) × 86.4(3.40) (H) mm(inch)
	Number of displayed characters	16-dot standard font: 40 characters × 30 lines (two-byte characters) 12-dot standard font: 53 characters × 40 lines (two-byte characters)	
	Display color	65536 colors	
	Brightness adjustment	32 levels	
	Backlight	LED (not replaceable)	
Backlight life *4	Approx. 40000 h (operating ambient temperature: 25 °C, display intensity: 50%) Approx. 60000 h (operating ambient temperature: 25 °C, display intensity: 50%)		
Touch panel *3 *11	Type	Analog resistive film	
	Key size	Minimum 2 × 2 dots *8 (per key)	
	Simultaneous press	Not available *5 (Only 1 point can be touched.)	
	Life	1 million touches or more (operating force: 0.98 N or less)	
Panel color		Black	
Switch	Operation switch	6 switches (6 contacts/common), N/O contact, Maximum rating 10 mA/24 V DC, Life: 1000000 times, 6 green LEDs (lighting control from display section)	6 switches (6 contacts/common), N/O contact, Maximum rating 10 mA/24 V DC, Life: 1000000 times
	Grip switch	1 switch (single wiring) (IDEC HE3B-M2PB), Enable switch (deadman switch) 3-position system of OFF ↔ ON ↔ OFF, 2 N/O contacts, Maximum rating 1 A/24 V DC (resistance load), Maximum rating 0.3 A/24 V DC (induction load), Life: 100000 times, 1 green LED (lighting control from display section)	
	Emergency stop switch	1 switch (single wiring) (IDEC XA1E-BV303R), 3 N/C contacts, Maximum rating 1 A/24 V DC (resistance load), Maximum rating 0.3 A/24 V DC (induction load), Life: 100000 times	
	Keylock switch (2-position switch)	1 switch (single wiring) (IDEC AS6M-2KT1PB), 2-notch type (Manual stop at each position/A key can be inserted and removed on only the left side./ On the right side, a key cannot be removed./Two keys are provided.), 2-position, Maximum rating 1 A/24 V DC (resistance load), Maximum rating 0.3 A/24 V DC (induction load), Life: 100000 times	
User memory	User memory capacity	Memory for storage (ROM) *12: 32 MB Memory for operation (RAM): 80 MB	
	Life (number of write times)	100000 times	
Built-in clock precision		±90 seconds/month (ambient temperature: 25 °C)	
Battery		GT15-BAT lithium battery	GT11-50BAT lithium battery
	Data to be backed up	SRAM data, clock data, system status log data	
	Life	Approx. 5 years (ambient temperature: 25 °C)	
Built-in interface	RS-232	RS-232 or RS-422/485, 1 channel (Select one channel. RS-422/485 is set as the factory default.) Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: Square 42 pins (male)	RS-232 or RS-422, 1 channel (Select one channel from RS-232, RS-422, or Ethernet. Ethernet is set as the factory default.) Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: Round 32 pins (male)
	RS-422/485 *14	1 channel Data transfer method: 100BASE-TX, 10BASE-T Connector shape: Square 42 pins (male)	1 channel (Select one channel from RS-232, RS-422, or Ethernet. Ethernet is set as the factory default.) Data transfer method: 100BASE-TX, 10BASE-T Connector shape: Round 32 pins (male)
	Ethernet		
	USB (host)	1 channel (top face) USB version: USB 2.0 (High-Speed 480 Mbps), Connector shape: USB-A	
	USB (device)	1 channel (top face) USB version: USB 2.0 (High-Speed 480 Mbps), Connector shape: USB Mini-B	
	SD memory card *12	1 channel, SDHC compliant (maximum 32 GB)	
	Buzzer output	Single tone (tone and tone length adjustable)	
POWER LED	2 colors (blue and orange)		
Protective structure *6		IP65F *9*13 (When an external cable is connected. The rating is not applied to the relay connector side of the external cable.)	
Safety standards, radio laws (as of December 2019)		CE, UL, cUL, EAC, KC	
External dimensions		201(7.91) (W) × 230(9.06) (H) × 97(3.82) (D) mm(inch) (excluding projections such as the emergency stop switch)	145(5.71) (W) × 185(7.28) (H) × 79.3(3.12) (D) mm(inch) (excluding projections such as the emergency stop switch)
Weight		1.2(2.6) kg(lb) (GOT main unit only)	0.79(1.7) kg(lb) (GOT main unit only)
Compatible software package		GT Works3 Version1.225K or later	

*10 The lower part of the panel including the USB environmental protection cover is black.

*11 Repeatedly touching the outer edge of the actual display area may cause the product to fail.

*12 While writing data to the memory for storage (ROM) or an SD memory card, if GOT is powered off, the data may be corrupted which may cause the GOT to stop operating.

*13 The rating is not applied when the interface environment protection cover or the environmental protection back cover is removed.

*14 GT2505HS-VTBD supports RS-422 only.

Specifications

GT25 rugged model

General specifications

Item	Specifications *5							
Operating ambient temperature *1	-20 °C to 65 °C						*1 Includes the temperature inside the enclosure of the control panel to which the GOT is installed.	
Storage ambient temperature	-30 °C to 75 °C						*2 Do not use or store the GOT under a pressure higher than the atmospheric pressure at altitude 0 m. Doing so may cause a malfunction. Air purging by applying pressure to the control panel may create clearance between the surface sheet and the touch panel. This may cause the touch panel to be not sensitive enough or the sheet to come off.	
Operating ambient humidity	10% RH to 90% RH, non-condensing							
Storage ambient humidity	10% RH to 90% RH, non-condensing							
Vibration resistance	Compliant with IEC 60068-2-6		Frequency	Acceleration	Half amplitude	Sweep count	*3 This indicates the section of the power supply to which the equipment is assumed to be connected between the public electrical power distribution network and the machinery within the premises. Category II applies to equipment that is supplied with power from fixed facilities. The withstand surge voltage for the equipment with the rated voltage up to 300 V is 2500 V.	
			Under intermittent vibration	5 to 8.4 Hz	—	7.0 mm		10 times in each X, Y, or Z direction
			8.4 to 150 Hz	19.6 m/s ²	—			
		Under continuous vibration	5 to 8.4 Hz	—	7.0 mm	—		
			8.4 to 150 Hz	19.6 m/s ²	—			
Shock resistance	IEC 60068-2-27 (392 m/s ² (40G), 3 times in each X, Y, or Z direction)						*4 This indicates the occurrence rate of conductive material in an environment where a device is used. Pollution degree 2 indicates an environment where only non-conductive pollution occurs normally and a temporary conductivity caused by condensation shall be expected depending on the conditions.	
Operating atmosphere	No greasy fumes, corrosive gas, flammable gas, excessive conductive dust, and direct sunlight (as well as at storage)						*5 Communication units and options usable with the rugged model can be used in the environment described in the general specifications of the rugged model. However, when a protective cover for oil is mounted on the GOT, the operating ambient temperature must be -20°C to 50°C. For using peripheral devices to be connected to the GOT, please refer to the relevant product manual.	
Operating altitude *2	2000 m or less							
Installation location	Inside control panel							
Overvoltage category *3	II or less							
Pollution degree *4	2 or less							
Cooling method	Self-cooling							
Grounding	Grounding with a ground resistance of 100 Ω or less by using a ground cable that has a cross-sectional area of 2 mm ² or more. If impossible, connect the ground cable to the control panel.							
Operate and store the GOT in environments without direct sunlight, high temperature, dust, humidity, and vibrations.								
For the status of conforming to various standards and laws (CE, ATEX, UL/cUL, Class I Division 2, EAC, KC, KCs, and maritime certifications [ABS/BV/DNV GL/LR/NK/RINA]), please refer to the Mitsubishi Electric Factory Automation Global website (www.MitsubishiElectric.com/fa/).								

Performance specifications

Item		Specifications	
		GT2507T-WTSD	
Display section *1 *2	Display device	TFT color LCD	
	Screen size	7" widescreen	
	Resolution	WVGA: 800 × 480 dots	
	Display size	152.40(6.00) (W) × 91.44(3.60) (H) mm (inch)	
	Number of displayed characters	16-dot standard font: 50 characters × 30 lines (two-byte characters) 12-dot standard font: 66 characters × 40 lines (two-byte characters)	
	Display color	65536 colors	
	Brightness adjustment	32 levels	
	Backlight	LED (not replaceable)	
	Backlight life *4	Approx. 50000 h (operating ambient temperature: 25°C, display intensity: 50%)	
	Type	Analog resistive film	
Touch panel *3 *9	Key size	Minimum 2 × 2 dots *7 (per key)	
	Simultaneous press	Not available *5 (Only 1 point can be touched.)	
	Life	1 million touches or more (operating force: 0.98 N or less)	
	Panel color	Silver	
User memory	User memory capacity	Memory for storage (ROM) *10: 32 MB Memory for operation (RAM): 128 MB	
	Life (number of write times)	100000 times	
Built-in clock precision		±90 seconds/month (ambient temperature: 25 °C)	
Battery	Data to be backed up	GT11-50BAT lithium battery	
		SRAM data, clock data, system status log data	
Built-in interface	Life	Approx. 5 years (ambient temperature: 25 °C)	
	RS-232	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (male)	
	RS-422/485	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (female)	
	Ethernet	2 channel Data transfer method: 100BASE-TX, 10BASE-T Connector shape: RJ-45 (modular jack)	
	USB (host)	1 channel (rear face)	
	USB (device)	USB version: USB 2.0 (High-Speed 480 Mbps), Connector shape: USB-A	
		1 channel (rear face)	
	SD memory card *10	USB version: USB 2.0 (High-Speed 480 Mbps), Connector shape: USB Mini-B	
		1 channel, SDHC compliant (maximum 32 GB)	
	Wireless LAN communication unit interface	For installing a wireless LAN communication unit	
Sound output interface		1 channel, WAV format (16 bits, 8.000 kHz/16.000 kHz, monoral) applicable plug: Φ3.5 stereo mini-plug (3-prong)	
Buzzer output		Single tone (tone and tone length adjustable)	
POWER LED		2 colors (blue and orange)	
Protective structure *6		Front: IP66F *8, IP67F *9 Inside control panel: IP2X	
Safety standards, radio laws (as of December 2019)		CE, UL, cUL, EAC, KC	
External dimensions		214(8.43) (W) × 158(6.22) (H) × 55(2.17) (D) mm(inch)	
Panel cut dimensions		197(7.76) (W) × 141(5.55) (H) mm(inch)	
Weight (excluding a fitting)		1.2(2.6) kg(lb)	
Compatible software package		GT Works3 Version1.225K or later	

*1 As a characteristic of liquid crystal display panels, bright dots (always lit) and dark dots (never lit) may appear on the panel. Since liquid crystal display panels comprise a great number of display elements, the appearance of bright and dark dots cannot be reduced to zero. Individual differences in liquid crystal display panels may cause differences in color, uneven brightness and flickering. Note that these phenomena are characteristics of liquid crystal display panels and it does not mean the products are defective or damaged.

*2 Flickering may occur due to vibration, shock, or the display colors.

*3 When a stylus is used, the touch panel has a life of 100 thousand touches. The stylus must satisfy the following specifications.

- Material: polyacetal resin
- Tip radius: 0.8 mm or more

*4 To prevent the display section from burning in and lengthen the backlight life, enable the screen save function and turn off the backlight.

*5 If you touch two points or more simultaneously on the touch panel, a touch switch near the touched points may operate unexpectedly. Do not touch two points or more simultaneously on the touch panel.

*6 Note that the structure does not guarantee protection in all users' environments. The GOT may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.

*7 The minimum size of a key that can be arranged. To ensure safe use of the product, the following settings are recommended.

- Key size: 16 × 16 dots or larger
- Distance between keys: 16 dots or more

*8 The suffix "F" of IP66F and IP67F is a symbol that indicates protection rate against oil. It is described in the Appendix of Japanese Industrial Standard JIS C 0920.

*9 Repeatedly touching the outer edge of the actual display area may cause the product to fail.

*10 While writing data to the memory for storage (ROM) or an SD memory card, if GOT is powered off, the data may be corrupted which may cause the GOT to stop operating.

Power supply specifications

Item		Specifications
Power supply voltage		GT2507T-WTSD
		24 V DC (+25%, -20%)
Power consumption	Under the maximum load	17 W or less
	Main unit	11 W
	Main unit (backlight OFF)	7 W
Inrush current		59 A or less (2 ms, ambient temperature: 25 °C, under the maximum load)
Permissible instantaneous power failure time		5 ms or less
Noise immunity		Noise voltage: 500 Vp-p, noise width: 1 μs, measured by a noise simulator with noise frequency ranging from 25 Hz to 60 Hz
Withstand voltage		350 V AC for 1 minute across power terminals and earth
Insulation resistance		500 V DC across power terminals and earth, 10 MΩ or more by an insulation resistance tester

Specifications

GT23 model

General specifications

Item	Specifications						
Operating ambient temperature *1	0 °C to 55 °C *6						*1 Includes the temperature inside the enclosure of the control panel to which the GOT is installed.
Storage ambient temperature	-20 °C to 60 °C						*2 If the ambient temperature exceeds 40 °C, the absolute humidity must not exceed 90% RH at 40 °C.
Operating ambient humidity	10% RH to 90% RH, non-condensing *2						*3 Do not use or store the GOT under a pressure higher than the atmospheric pressure at altitude 0 m. Doing so may cause a malfunction. Air purging by applying pressure to the control panel may create clearance between the surface sheet and the touch panel. This may cause the touch panel to be not sensitive enough or the sheet to come off.
Storage ambient humidity	10% RH to 90% RH, non-condensing *2						
Vibration resistance	Compliant with JIS B 3502 and IEC 61131-2		Frequency	Acceleration	Half amplitude	Sweep count	*4 This indicates the section of the power supply to which the equipment is assumed to be connected between the public electrical power distribution network and the machinery within the premises. Category II applies to equipment that is supplied with power from fixed facilities. The withstand surge voltage for the equipment with the rated voltage up to 300 V is 2500 V.
		Under intermittent vibration	5 to 8.4 Hz	—	3.5 mm	10 times in each X, Y, or Z direction	
		Under continuous vibration	8.4 to 150 Hz	9.8 m/s ²	—	—	
			5 to 8.4 Hz	—	1.75 mm	—	
		8.4 to 150 Hz	4.9 m/s ²	—			
Shock resistance	Compliant with JIS B 3502 and IEC 61131-2 (147 m/s ² (15G), 3 times in each X, Y, or Z direction)						
Operating atmosphere	No greasy fumes, corrosive gas, flammable gas, excessive conductive dust, and direct sunlight (as well as at storage)						
Operating altitude *3	2000 m or less						*5 This indicates the occurrence rate of conductive material in an environment where a device is used. Pollution degree 2 indicates an environment where only non-conductive pollution occurs normally and a temporary conductivity caused by condensation shall be expected depending on the conditions.
Installation location	Inside control panel						
Overvoltage category *4	II or less						
Pollution degree *5	2 or less						
Cooling method	Self-cooling						*6 When a protective cover for oil is mounted on the GOT, the maximum operating ambient temperature must be 5°C lower than the one described in the general specifications.
Grounding	Grounding with a ground resistance of 100 Ω or less by using a ground cable that has a cross-sectional area of 2 mm ² or more. If impossible, connect the ground cable to the control panel.						
Operate and store the GOT in environments without direct sunlight, high temperature, dust, humidity, and vibrations.							
For the status of conforming to various standards and laws (CE, ATEX, UL/cUL, Class I Division 2, EAC, KC, KCs, and maritime certifications [ABS/BV/DNV GL/LR/NK/RINA]), please refer to the Mitsubishi Electric Factory Automation Global website (www.MitsubishiElectric.com/fa/).							

Performance specifications

Item		Specifications	
		GT2310-VTBA GT2310-VTBD	GT2308-VTBA GT2308-VTBD
Display section *1 *2	Display device	TFT color LCD	
	Screen size	10.4"	8.4"
	Resolution	VGA: 640 × 480 dots	
	Display size	211.2(8.31) (W) × 158.4(6.24) (H) mm(inch)	170.9(6.73) (W) × 128.2(5.05) (H) mm(inch)
	Number of displayed characters	16-dot standard font: 40 characters × 30 lines (two-byte characters) 12-dot standard font: 53 characters × 40 lines (two-byte characters)	
	Display color	65536 colors	
	Brightness adjustment	16 levels	
	Backlight	LED (not replaceable)	
Backlight life *4	Approx. 50000 h (operating ambient temperature: 25 °C, display intensity: 50%)		
Touch panel *3 *9	Type	Analog resistive film	
	Key size	Minimum 2 × 2 dots *7 (per key)	
	Simultaneous press	Not available *5 (Only 1 point can be touched.)	
	Life	1 million touches or more (operating force: 0.98 N or less)	
Panel color		Black	
User memory	User memory capacity	Memory for storage (ROM) *10: 9 MB Memory for operation (RAM): 9 MB	
	Life (number of write times)	100000 times	
Built-in clock precision		±90 seconds/month (ambient temperature: 25 °C)	
Battery		GT11-50BAT lithium battery (option)	
	Data to be backed up	SRAM data, clock data, system status log data	
	Life	Approx. 5 years (ambient temperature: 25 °C)	
Built-in interface	RS-232	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (male)	
	RS-422/485	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (female)	
	Ethernet	1 channel Data transfer method: 100BASE-TX, 10BASE-T Connector shape: RJ-45 (modular jack)	
	USB (host)	1 channel (rear face)	
		USB version: USB 1.1 (Full-Speed 12 Mbps), Connector shape: USB-A	
	USB (device)	1 channel (rear face)	
		USB version: USB 1.1 (Full-Speed 12 Mbps), Connector shape: USB Mini-B	
SD memory card *10	1 channel, SDHC compliant (maximum 32 GB)		
Buzzer output	Single tone (tone length adjustable)		
POWER LED	2 colors (blue and orange)		
Protective structure *6	Front: IP67F *8 Inside control panel: IP2X		
Safety standards, radio laws (as of December 2019)	CE, UL, cUL, EAC, KC		
External dimensions	303(11.93) (W) × 218(8.58) (H) × 56(2.20) (D) mm(inch)	241(9.49) (W) × 194(7.64) (H) × 56(2.20) (D) mm(inch)	
Panel cut dimensions	289(11.38) (W) × 200(7.87) (H) mm(inch)	227(8.94) (W) × 176(6.93) (H) mm(inch)	
Weight (excluding a fitting)	1.9(4.2) kg(lb)	1.5(3.3) kg(lb)	
Compatible software package	GT Works3 Version1.225K or later		

*1 As a characteristic of liquid crystal display panels, bright dots (always lit) and dark dots (never lit) may appear on the panel. Since liquid crystal display panels comprise a great number of display elements, the appearance of bright and dark dots cannot be reduced to zero. Individual differences in liquid crystal display panels may cause differences in color, uneven brightness and flickering. Note that these phenomena are characteristics of liquid crystal display panels and it does not mean the products are defective or damaged.

*2 Flickering may occur due to vibration, shock, or the display colors.

*3 When a stylus is used, the touch panel has a life of 100 thousand touches. The stylus must satisfy the following specifications.

- Material: polyacetal resin
- Tip radius: 0.8 mm or more

*4 To prevent the display section from burning in and lengthen the backlight life, enable the screen save function and turn off the backlight.

*5 If you touch two points or more simultaneously on the touch panel, a touch switch near the touched points may operate unexpectedly. Do not touch two points or more simultaneously on the touch panel.

*6 Note that the structure does not guarantee protection in all users' environments. The GOT may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.

*7 The minimum size of a key that can be arranged. To ensure safe use of the product, the following settings are recommended.

- Key size: 16 × 16 dots or larger
- Distance between keys: 16 dots or more

*8 The suffix "F" of IP67F is a symbol that indicates protection rate against oil. It is described in the Appendix of Japanese Industrial Standard JIS C 0920.

*9 Repeatedly touching the outer edge of the actual display area may cause the product to fail.

*10 While writing data to the memory for storage (ROM) or an SD memory card, if GOT is powered off, the data may be corrupted which may cause the GOT to stop operating.

Power supply specifications

Item		Specifications							
		GT2310-VTBA		GT2308-VTBA		GT2310-VTBD		GT2308-VTBD	
Power supply voltage		100 V AC to 240 V AC (+10%, -15%)				24 V DC (+25%, -20%)			
Power supply frequency		50 Hz/60 Hz (±5%)				—			
Power consumption	Under the maximum load	18 W or less		11 W or less		16 W or less		11 W or less	
	Main unit	15 W		9 W		13 W		8 W	
	Main unit (backlight OFF)	8 W		6 W		7 W		6 W	
Inrush current		40 A or less (4 ms, ambient temperature: 25 °C, under the maximum load)				40 A or less (2 ms, ambient temperature: 25 °C, under the maximum load)			
Permissible instantaneous power failure time		20 ms or less (100 V AC or more)				10 ms or less			
Noise immunity		Noise voltage: 1500 Vp-p, noise width: 1 μs, measured by a noise simulator with noise frequency ranging from 25 Hz to 60 Hz				Noise voltage: 500 Vp-p, noise width: 1 μs, measured by a noise simulator with noise frequency ranging from 25 Hz to 60 Hz			
Withstand voltage		1500 V AC for 1 minute across power terminals and earth				350 V AC for 1 minute across power terminals and earth			
Insulation resistance		500 V DC across power terminals and earth, 10 MΩ or more by an insulation resistance tester							



Specifications

GT21 wide model/GT21 model

General specifications

Item	Specifications						
Operating ambient temperature *1	0 °C to 55 °C *7 (horizontal installation), 0 °C to 50 °C (vertical installation)						*1 Includes the temperature inside the enclosure of the control panel to which the GOT is installed.
Storage ambient temperature	-20 °C to 60 °C						*2 If the ambient temperature exceeds 40 °C, the absolute humidity must not exceed 90% RH at 40 °C.
Operating ambient humidity	10% RH to 90% RH, non-condensing *2						*3 Do not use or store the GOT under a pressure higher than the atmospheric pressure at altitude 0 m. Doing so may cause a malfunction. Air purging by applying pressure to the control panel may create clearance between the surface sheet and the touch panel. This may cause the touch panel to be not sensitive enough or the sheet to come off.
Storage ambient humidity	10% RH to 90% RH, non-condensing *2						
Vibration resistance	Compliant with JIS B 3502 and IEC 61131-2		Frequency	Acceleration	Half amplitude	Sweep count	
		Under intermittent vibration	5 to 8.4 Hz	—	3.5 mm	10 times in each X, Y, or Z direction	
			8.4 to 150 Hz	9.8 m/s ²	—		
		Under continuous vibration	5 to 8.4 Hz	—	1.75 mm	—	
			8.4 to 150 Hz	4.9 m/s ²	—		
Shock resistance	Compliant with JIS B 3502 and IEC 61131-2 (147 m/s ² (15G), 3 times in each X, Y, or Z direction)						*4 This indicates the section of the power supply to which the equipment is assumed to be connected between the public electrical power distribution network and the machinery within the premises. Category II applies to equipment that is supplied with power from fixed facilities. The withstand surge voltage for the equipment with the rated voltage up to 300 V is 2500 V.
Operating atmosphere	No greasy fumes, corrosive gas, flammable gas, excessive conductive dust, and direct sunlight (as well as at storage)						
Operating altitude *3	2000 m or less						*5 This indicates the occurrence rate of conductive material in an environment where a device is used. Pollution degree 2 indicates an environment where only non-conductive pollution occurs normally and a temporary conductivity caused by condensation shall be expected depending on the conditions.
Installation location	Inside control panel						
Overvoltage category *4	II or less						*6 5 V DC type does not require grounding.
Pollution degree *5	2 or less						*7 When a protective cover for oil is mounted on the GOT, the maximum operating ambient temperature must be 5°C lower than the one described in the general specifications.
Cooling method	Self-cooling						
Grounding	GT2107-W: Grounding with a ground resistance of 100 Ω or less by using a ground cable that has a cross-sectional area of 2 mm ² or more. If impossible, connect the ground cable to the control panel. GT2104, GT2103: Grounding with a ground resistance of 100 Ω or less by using a ground cable that has a cross-sectional area of 0.14 to 1.5 mm ² (single wire), 0.14 to 1.0 mm ² (stranded wire), or 0.25 to 0.5 mm ² (rod terminal with an insulation sleeve). If impossible, connect the ground cable to the control panel.*6						
Operate and store the GOT in environments without direct sunlight, high temperature, dust, humidity, and vibrations.							
For the status of conforming to various standards and laws (CE, ATEX, UL/cUL, Class I Division 2, EAC, KC, KCs, and maritime certifications [ABS/BV/DNV GL/LR/NK/RINA]), please refer to the Mitsubishi Electric Factory Automation Global website (www.MitsubishiElectric.com/fa/).							

Performance specifications

Item		Specifications		
		GT21 wide model		
		GT2107-WTBD		GT2107-WTSD
Display section ^{*1 *2}	Display device	TFT color LCD		
	Screen size	7" widescreen		
	Resolution	WVGA: 800 × 480 dots		
	Display size	152.40(6.00) (W) × 91.44(3.60) (H) mm (inch)		
	Number of displayed characters	16-dot standard font: 50 characters × 30 lines (two-byte characters) 12-dot standard font: 66 characters × 40 lines (two-byte characters)		
	Display color	65536 colors		
	Brightness adjustment	32 levels		
	Backlight	LED (not replaceable)		
Touch panel ^{*3 *11}	Type	Analog resistive film		
	Key size	Minimum 2 × 2 dots ^{*9} (per key)		
	Simultaneous press	Not available ^{*5} (Only 1 point can be touched.)		
	Life	1 million touches or more (operating force: 0.98 N or less)		
Panel color		Black		Silver ^{*15}
User memory	User memory capacity	Memory for storage (ROM) ^{*12} : 15 MB		
	Life (number of write times)	100000 times		
Built-in clock precision		±45 seconds/month (ambient temperature: 25 °C)		
Battery	Data to be backed up	GT11-50BAT lithium battery		
	Life	SRAM data, clock data		
		Approx. 5 years (ambient temperature: 25 °C)		
Built-in interface	RS-232	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (male)		
	RS-422/485	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (female)		
	RS-422	—		
	Ethernet	1 channel Data transfer method: 100BASE-TX, 10BASE-T Connector shape: RJ-45 (modular jack)		
	USB (host)	1 channel (rear face)		
	USB (device)	USB version: USB 1.1 (Full-Speed 12 Mbps), Connector shape: USB-A		
		1 channel (front face)		
	SD memory card ^{*12}	USB version: USB 1.1 (Full-Speed 12 Mbps), Connector shape: USB Mini-B		
Buzzer output		1 channel, SDHC compliant (maximum 32 GB)		
Protective structure ^{*7}		Single tone (tone length adjustable)		
Safety standards, radio laws (as of December 2019)		Front: IP67F ^{*10 *14} Inside control panel: IP2X		
External dimensions		CE, UL, cUL, EAC, KC		
Panel cut dimensions		189(7.44) (W) × 142(5.59) (H) × 48(1.89) (D) mm (inch)		
Weight (excluding a fitting)		180.5(7.11) (W) × 133.5(5.26) (H) mm (inch)		
Compatible software package		0.7(1.54) kg (lb)		
		GT Works3 Version 1.225K or later		

^{*1} As a characteristic of liquid crystal display panels, bright dots (always lit) and dark dots (never lit) may appear on the panel. Since liquid crystal display panels comprise a great number of display elements, the appearance of bright and dark dots cannot be reduced to zero. Individual differences in liquid crystal display panels may cause differences in color, uneven brightness and flickering. Note that these phenomena are characteristics of liquid crystal display panels and it does not mean the products are defective or damaged.

^{*2} Flickering may occur due to vibration, shock, or the display colors.

^{*3} When a stylus is used, the touch panel has a life of 100 thousand touches. The stylus must satisfy the following specifications.

- Material: polyacetal resin
- Tip radius: 0.8 mm or more

^{*4} To prevent the display section from burning in and lengthen the backlight life, enable the screen save function and turn off the backlight.

^{*5} If you touch two points or more simultaneously on the touch panel, a touch switch near the touched points may operate unexpectedly. Do not touch two points or more simultaneously on the touch panel.

^{*6} The SD memory card unit (GT21-03SDCD), sold separately, needs to be mounted.

^{*7} Note that the structure does not guarantee protection in all users' environments. The GOT may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.

^{*8} The dimension when the SD memory card unit (GT21-03SDCD) is mounted is 113(4.45) (W) × 74(2.91) (H) × 32(1.26) (D) mm (inch).

^{*9} The minimum size of a key that can be arranged. To ensure safe use of the product, the following settings are recommended.

- Key size: 16 × 16 dots or larger
- Distance between keys: 16 dots or more (GT2107-WTBD, GT2107-WTSD)

^{*10} The suffix "F" of IP67F is a symbol that indicates protection rate against oil. It is described in the Appendix of Japanese Industrial Standard JIS C 0920.

^{*11} Repeatedly touching the outer edge of the actual display area may cause the product to fail.

Power supply specifications

Item		Specifications					
		GT21 wide model GT2107-WTBD GT2107-WTSD	GT21 model GT2104-RTBD GT2103-PMBD GT2103-PMBDS GT2103-PMBDS2 GT2103-PMBLS				
Power supply voltage		24 V DC (+10%, -15%)					5 V DC (+5%, -5%) Power from the PLC
Power supply frequency		—					
Power consumption	Under the maximum load	11.3 W or less	4.4 W or less	2.6 W or less	1.9 W or less	2.2 W or less	1.1 W or less
	Main unit (backlight OFF)	7.0 W	2.9 W	2.0 W	1.3 W	1.6 W	0.7 W
Inrush current		35 A or less (3 ms, ambient temperature: 25 °C, under the maximum load)	18 A or less (2 ms, ambient temperature: 25 °C, under the maximum load)	30 A or less (1 ms, ambient temperature: 25 °C, under the maximum load)			—
Permissible instantaneous power failure time		5 ms or less					—
Noise immunity		Noise voltage: 1000 Vp-p, noise width: 1 μs, measured by a noise simulator with noise frequency ranging from 30 Hz to 100 Hz					
Withstand voltage		500 V AC for 1 minute across power terminals and earth					—
Insulation resistance		500 V DC across power terminals and earth, 10 MΩ or more by an insulation resistance tester					—

Item		Specifications				
		GT21 model				
		GT2104-RTBD	GT2103-PMBD	GT2103-PMBDS	GT2103-PMBDS2	GT2103-PMBLS
Display section *1 *2	Display device	TFT color LCD	TFT monochrome LCD			
	Screen size	4.3"	3.8"			
	Resolution	480 × 272 dots	320 × 128 dots			
	Display size	95.0(3.74) (W) × 53.8(2.12) (H) mm(inch)	89.0(3.50) (W) × 35.6(1.40) (H) mm(inch)			
	Number of displayed characters	16-dot standard font: 30 characters × 17 lines (two-byte characters) 12-dot standard font: 40 characters × 22 lines (two-byte characters)	16-dot standard font: 20 characters × 8 lines (two-byte characters) 12-dot standard font: 26 characters × 10 lines (two-byte characters)			
	Display color	65536 colors	Monochrome (black/white) 32 shade grayscale			
	Brightness adjustment	32 levels				
	Backlight	LED (not replaceable)	5-color LED (white, green, pink, orange, red) (not replaceable)			
Touch panel *3 *11	Backlight life *4	Approx. 50000 h (operating ambient temperature: 25 °C, display intensity: 50%)				
	Type	Analog resistive film				
	Key size	Minimum 2 × 2 dots *9 (per key)				
	Simultaneous press	Not available *5 (Only 1 point can be touched.)				
Panel color	Life	1 million touches or more (operating force: 0.98 N or less)				
		Black				
User memory	User memory capacity	Memory for storage (ROM) *12: 9 MB	Memory for storage (ROM) *12: 3 MB			
	Life (number of write times)	100000 times				
Built-in clock precision		±45 seconds/month (ambient temperature: 25 °C)	—			
Battery		GT11-50BAT lithium battery				
	Data to be backed up	SRAM data, clock data				
	Life	Approx. 5 years (ambient temperature: 25 °C)				
Built-in interface	RS-232	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: 9-pin connector terminal block	—	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: MINI-DIN 6-pin (female)	2 channels Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: 9-pin connector terminal block, MINI-DIN 6-pin (female)	—
	RS-422/485	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: 9-pin connector terminal block	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: 5-pin connector terminal block	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: 9-pin connector terminal block	—	
	RS-422	—				1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: 9-pin connector terminal block *13
	Ethernet	1 channel Data transfer method: 100BASE-TX, 10BASE-T Connector shape: RJ-45 (modular jack)		—		
	USB (device)	1 channel (rear face) USB version: USB 1.1 (Full-Speed 12 Mbps), Connector shape: USB Mini-B				
	SD memory card *12	1 channel, SDHC compliant (maximum 32 GB)	1 channel, SDHC compliant (maximum 32 GB) *6			—
	Buzzer output	Single tone (tone length adjustable)				
Protective structure *7	Front: IP67F *10 Inside control panel: IP2X					
Safety standards, radio laws (as of December 2019)	CE, UL, cUL, EAC, KC					
External dimensions	128(5.04) (W) × 102(4.02) (H) × 40(1.57) (D) mm(inch)	113(4.45) (W) × 74(2.91) (H) × 32(1.26) (D) mm(inch)	113(4.45) (W) × 74(2.91) (H) × 27(1.06) (D) mm(inch) *8		113(4.45) (W) × 74(2.91) (H) × 27(1.06) (D) mm(inch)	
Panel cut dimensions	118(4.65) (W) × 92(3.62) (H) mm(inch)					
Weight (excluding a fitting)	0.4(0.88) kg(lb)	0.2(0.44) kg(lb)			0.18(0.40) kg(lb)	
Compatible software package	GT Works3 Version1.225K or later					

*12 While writing data to the memory for storage (ROM) or an SD memory card, if GOT is powered off, the data may be corrupted which may cause the GOT to stop operating.

*13 Use a 3 m or shorter cable.

*14 To conform to IP67F, close the USB environmental protection cover by pushing the [PULL] mark firmly. (The GOT conforms to IP2X when the USB environmental protection cover is open.)

*15 The lower part of the panel including the USB environmental protection cover is black.

Specifications

GS21 model

General specifications

Item	Specifications						
Operating ambient temperature *1	0 °C to 50 °C						*1 Includes the temperature inside the enclosure of the control panel to which the GOT is installed.
Storage ambient temperature	-20 °C to 60 °C						*2 If the ambient temperature exceeds 40 °C, the absolute humidity must not exceed 90% RH at 40 °C.
Operating ambient humidity	10% RH to 90% RH, non-condensing *2						*3 Do not use or store the GOT under a pressure higher than the atmospheric pressure at altitude 0 m. Doing so may cause a malfunction. Air purging by applying pressure to the control panel may create clearance between the surface sheet and the touch panel. This may cause the touch panel to be not sensitive enough or the sheet to come off.
Storage ambient humidity	10% RH to 90% RH, non-condensing *2						
Vibration resistance	Compliant with IEC 61131-2		Frequency	Acceleration	Half amplitude	Sweep count	
		Under intermittent vibration	5 to 8.4 Hz	—	3.5 mm	10 times in each X, Y, or Z direction	
			8.4 to 150 Hz	9.8 m/s ²	—		
		Under continuous vibration	5 to 8.4 Hz	—	1.75 mm	—	
			8.4 to 150 Hz	4.9 m/s ²	—		
Shock resistance	Compliant with IEC 61131-2 (147 m/s ² (15G), 3 times in each X, Y, or Z direction)						*4 This indicates the section of the power supply to which the equipment is assumed to be connected between the public electrical power distribution network and the machinery within the premises. Category II applies to equipment that is supplied with power from fixed facilities. The withstand surge voltage for the equipment with the rated voltage up to 300 V is 2500 V.
Operating atmosphere	No greasy fumes, corrosive gas, flammable gas, excessive conductive dust, and direct sunlight (as well as at storage)						
Operating altitude *3	2000 m or less						
Installation location	Inside control panel						
Overvoltage category *4	II or less						
Pollution degree *5	2 or less						
Cooling method	Self-cooling						
Grounding	Grounding with a ground resistance of 100 Ω or less by using a ground cable that has a cross-sectional area of 2 mm ² or more. If impossible, connect the ground cable to the control panel.						
Operate and store the GOT in environments without direct sunlight, high temperature, dust, humidity, and vibrations.							
For the status of conforming to various standards and laws (CE, ATEX, UL/cUL, Class I Division 2, EAC, KC, KCs, and maritime certifications [ABS/BV/DNV GL/LR/NK/RINA]), please refer to the Mitsubishi Electric Factory Automation Global website (www.MitsubishiElectric.com/fa/).							

Performance specifications

Item		Specifications	
		GS2110-WTBD	GS2107-WTBD
Display section *1 *2	Display device	TFT color LCD	
	Screen size	10" widescreen	7" widescreen
	Resolution	WVGA: 800 × 480 dots	
	Display size	W222(8.74) × H132.5(5.22) [mm] (inch)	W154(6.06) × H85.9(3.38) [mm] (inch)
	Number of displayed characters	16-dot standard font: 50 characters × 30 lines (two-byte characters) 12-dot standard font: 66 characters × 40 lines (two-byte characters)	
	Display color	65536 colors	
	Brightness adjustment	32 levels	
	Backlight *4	LED (not replaceable)	
Touch panel *3 *9	Type	Analog resistive film	
	Key size	Minimum 2 × 2 dots *7 (per key)	
	Simultaneous press	Not available *5 (Only 1 point can be touched.)	
	Life	1 million touches or more (operating force: 0.98 N or less)	
Panel color		Black	
User memory	User memory capacity	Flash memory (Internal): 9 MB	
	Life (number of write times)	100000 times	
Built-in interface	RS-232	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (male)	
	RS-422	1 channel Transmission speed: 115200, 57600, 38400, 19200, 9600, 4800 bps Connector shape: D-sub 9-pin (female) Terminating resistor: 330 Ω fixed	
	Ethernet	1 channel Data transfer method: 100BASE-TX, 10BASE-T Connector shape: RJ-45 (modular jack)	
	USB (device)	1 channel (rear face) USB version: USB 1.1 (Full-Speed 12 Mbps), Connector shape: USB Mini-B	
	SD memory card *10	1 channel, SDHC compliant (maximum 32 GB)	
Buzzer output		Single tone (tone length adjustable)	
Protective structure *6		Front: IP65F *8	
Safety standards, radio laws (as of December 2019)		CE, UL, cUL, EAC, KC	
External dimensions		272(10.71) (W) × 214(8.43) (H) × 56(2.21) (D) mm(inch)	206(8.11) (W) × 155(6.11) (H) × 50(1.97) (D) mm(inch)
Panel cut dimensions		258(10.16) (W) × 200(7.88) (H) mm(inch)	191(7.52) (W) × 137(5.40) (H) mm(inch)
Weight (excluding a fitting)		1.3(2.9) kg(lb)	0.9(2.0) kg(lb)
Compatible software package		GT Works3 Version1.225K or later *11	

- *1 As a characteristic of liquid crystal display panels, bright dots (always lit) and dark dots (never lit) may appear on the panel. Since liquid crystal display panels comprise a great number of display elements, the appearance of bright and dark dots cannot be reduced to zero. Individual differences in liquid crystal display panels may cause differences in color, uneven brightness and flickering. Note that these phenomena are characteristics of liquid crystal display panels and it does not mean the products are defective or damaged.
- *2 Flickering may occur due to vibration, shock, or the display colors.
- *3 When a stylus is used, the touch panel has a life of 100 thousand touches. The stylus must satisfy the following specifications.
- Material: polyacetal resin
 - Tip radius: 0.8 mm or more
- *4 To prevent the display section from burning in and lengthen the backlight life, enable the screen save function and turn off the backlight.
- *5 If you touch two points or more simultaneously on the touch panel, a touch switch near the touched points may operate unexpectedly. Do not touch two points or more simultaneously on the touch panel.
- *6 Note that the structure does not guarantee protection in all users' environments. The GOT may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.
- *7 The minimum size of a key that can be arranged. To ensure safe use of the product, the following settings are recommended.
- Key size: 16 × 16 dots or larger
 - Distance between keys: 16 dots or more
- *8 The suffix "F" of IP65F is a symbol that indicates protection rate against oil. It is described in the Appendix of Japanese Industrial Standard JIS C 0920.
- *9 Repeatedly touching the outer edge of the actual display area may cause the product to fail.
- *10 While writing data to the memory for storage (ROM) or an SD memory card, if GOT is powered off, the data may be corrupted which may cause the GOT to stop operating.
- *11 When the software is earlier than GT Works3 Version1.215Z, installation of the GS installer is required.

Power supply specifications

Item		Specifications	
		GS2110-WTBD	GS2107-WTBD
Power supply voltage		24 V DC (+10%, -15%), ripple voltage 200 mV or less	
Power consumption	Under the maximum load	7.6 W (317 mA/24 V) or less	6.5 W (271 mA/24 V) or less
	Main unit (backlight OFF)	3.8 W (158 mA/24 V) or less	3.8 W (158 mA/24 V) or less
Inrush current		17 A or less (6 ms, ambient temperature 25°C, under the maximum load)	
Permissible instantaneous power failure time		Within 5 ms	
Noise immunity		Conforms to IEC61000-4-4, 2 kV (power supply line)	
Withstand voltage		350 V AC for 1 minute across power terminals and earth	
Insulation resistance		500 V DC across power terminals and earth, 10 MΩ or more by an insulation resistance tester	

Specifications

GT27 model/GT25 model

* For the external dimensions and panel cut dimensions of GT25 wide models, GT25 handy GOT, and GT25 rugged model, please refer to pages 140 and 141.

External dimensions

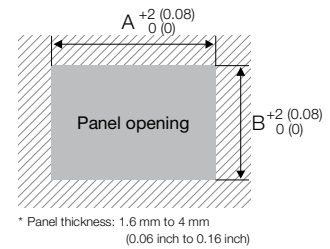
Unit: mm (inch)

GT2715 	GT2712/GT2512 * Human sensor is on GT2712 only.	GT2710/GT2510-V
GT2708/GT2508 	GT2705 	GT2505

Panel cut dimensions

Unit: mm (inch)

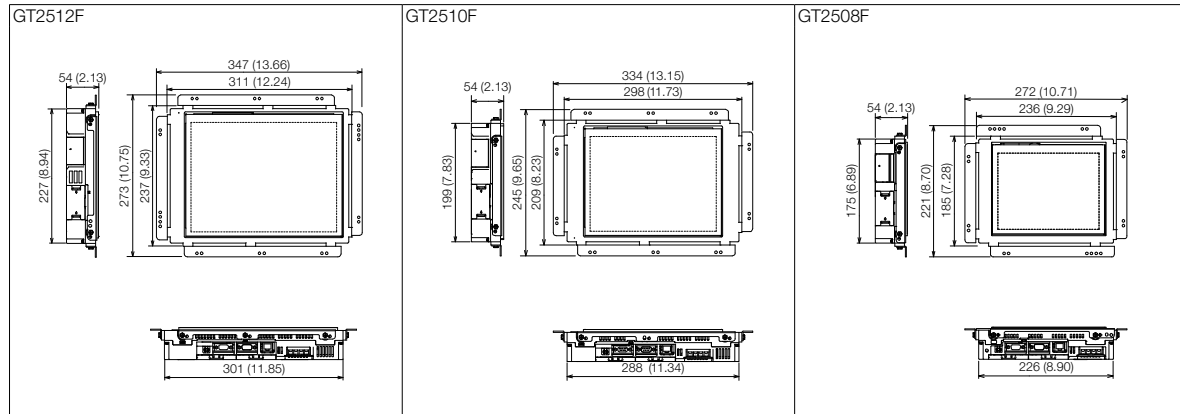
Screen size	Model	A	B	Remarks
15"	GT2715	383.5 (15.10)	282.5 (11.12)	Same dimensions as GT1695, GT1595.
12.1"	GT2712 GT2512	302 (11.89)	228 (8.98)	Same dimensions as GT1685, GT1585, A985GOT.
10.4"	GT2710 GT2510-V	289 (11.38)	200 (7.87)	Same dimensions as GT167□, GT157□, GT1275, A97□GOT.
8.4"	GT2708 GT2508	227 (8.94)	176 (6.93)	Same dimensions as GT166□, GT156□, GT1265.
5.7"	GT2705 GT2505	153 (6.02)	121 (4.76)	Same dimensions as GT1655, GT155□, GT145□, GT115□, GT105□, F940GOT.



GT25 open frame model

External dimensions

Unit: mm (inch)



* Install the fittings on the top and bottom, or the right and left of the GOT.

Panel cut dimensions/Measurements based on the screen center

Unit: mm (inch)

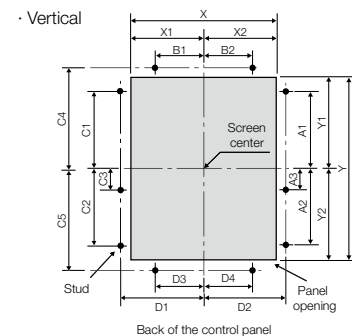
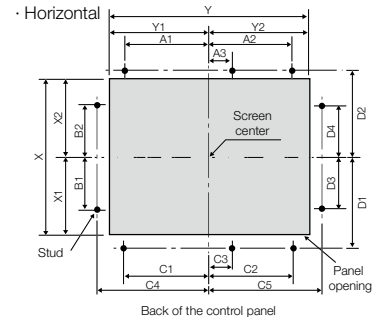
Screen size	Model	Panel cutting dimensions		Measurements based on the screen center			
		X	Y	X1	X2	Y1	Y2
12.1"	GT2512F	214(8.43) (+2(0.08), 0(0))	269(10.59) (+2(0.08), 0(0))	103(4.06) (+2(0.08), 0(0))	(111(4.37))	134.5(5.30) (+1(0.04), 0(0))	(134.5(5.30))
10.4"	GT2510F	187(7.36) (+2(0.08), 0(0))	234(9.21) (+2(0.08), 0(0))	89.5(3.52) (+1(0.04), 0(0))	(97.5(3.84))	117(4.61) (+1(0.04), 0(0))	(117(4.61))
8.4"	GT2508F	158(6.22) (+2(0.08), 0(0))	194(7.64) (+2(0.08), 0(0))	75.25(2.96) (+1(0.04), 0(0))	(82.75(3.26))	97.5(3.84) (+1(0.04), 0(0))	(96.5(3.80))

Screen size	Model	Distance between studs *				
		A1	A2	A3	B1	B2
12.1"	GT2512F	98(3.86)± 0.15(0.01)	113(4.45)± 0.15(0.01)	7.5(0.30)± 0.15(0.01)	75.5(2.97)± 0.15(0.01)	79.5(3.13)± 0.15(0.01)
10.4"	GT2510F	105.5(4.15)± 0.15(0.01)	105.5(4.15)± 0.15(0.01)	0(0)	58(2.28)± 0.15(0.01)	58(2.28)± 0.15(0.01)
8.4"	GT2508F	64.5(2.54)± 0.15(0.01)	74.5(2.93)± 0.15(0.01)	—	58(2.28)± 0.15(0.01)	58(2.28)± 0.15(0.01)

Screen size	Model	Distance between studs *				
		C1	C2	C3	C4	C5
12.1"	GT2512F	98(3.86)± 0.15(0.01)	113(4.45)± 0.15(0.01)	7.5(0.30)± 0.15(0.01)	160(6.30)± 0.15(0.01)	175(6.89)± 0.15(0.01)
10.4"	GT2510F	105.5(4.15)± 0.15(0.01)	105.5(4.15)± 0.15(0.01)	0(0)	161(6.34)± 0.15(0.01)	161(6.34)± 0.15(0.01)
8.4"	GT2508F	64.5(2.54)± 0.15(0.01)	74.5(2.93)± 0.15(0.01)	—	126(4.96)± 0.15(0.01)	134(5.28)± 0.15(0.01)

Screen size	Model	Distance between studs *			
		D1	D2	D3	D4
12.1"	GT2512F	128.5(5.06)± 0.15(0.01)	132.5(5.22)± 0.15(0.01)	75.5(2.97)± 0.15(0.01)	79.5(3.13)± 0.15(0.01)
10.4"	GT2510F	114.5(4.51)± 0.15(0.01)	118.5(4.67)± 0.15(0.01)	58(2.28)± 0.15(0.01)	58(2.28)± 0.15(0.01)
8.4"	GT2508F	104.5(4.11)± 0.15(0.01)	104.5(4.11)± 0.15(0.01)	58(2.28)± 0.15(0.01)	58(2.28)± 0.15(0.01)

* To mount the GOT on the control panel, studs are necessary. Align the studs with the installation holes of the fittings, and install the studs. The fittings must be installed on the top and bottom, or the right and left of the GOT. For GT2512F, you are recommended to install the fittings on the long sides of the GOT.



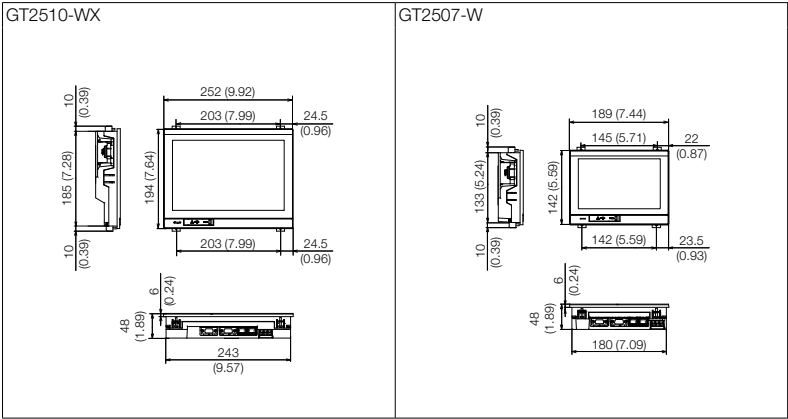
* Panel thickness: 1.5 mm to 4 mm
(0.06 inch to 0.16 inch)

Specifications

GT25 wide model

External dimensions

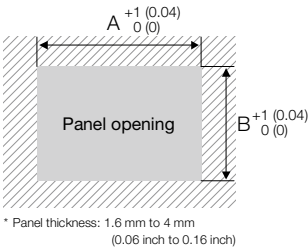
Unit: mm (inch)



Panel cut dimensions

Unit: mm (inch)

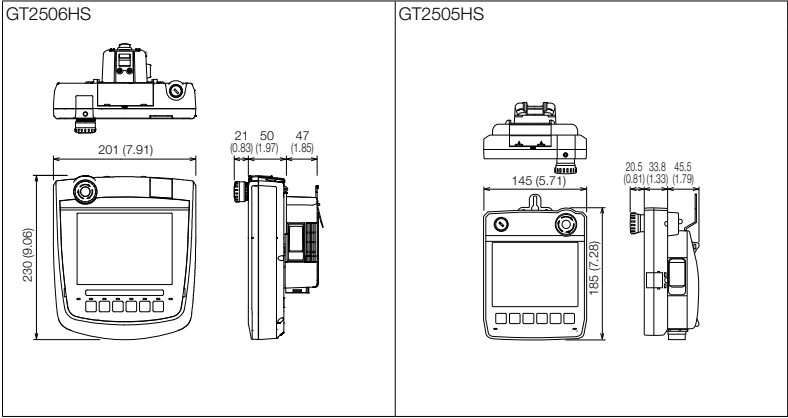
Screen size	Model	A	B	Remarks
10.1" widescreen	GT2510-WX	243.5 (9.59)	185.5 (7.30)	—
7" widescreen	GT2507-W	180.5 (7.11)	133.5 (5.26)	—



GT25 handy GOT

External dimensions

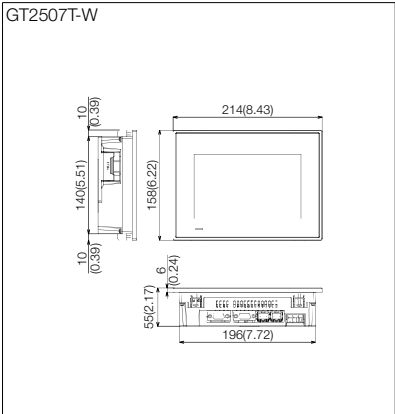
Unit: mm (inch)



GT25 rugged model

External dimensions

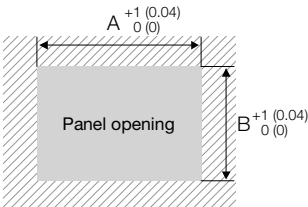
Unit: mm (inch)



Panel cut dimensions

Unit: mm (inch)

Screen size	Model	A	B	Remarks
7" widescreen	GT2507T-W	197 (7.76)	141 (5.55)	—

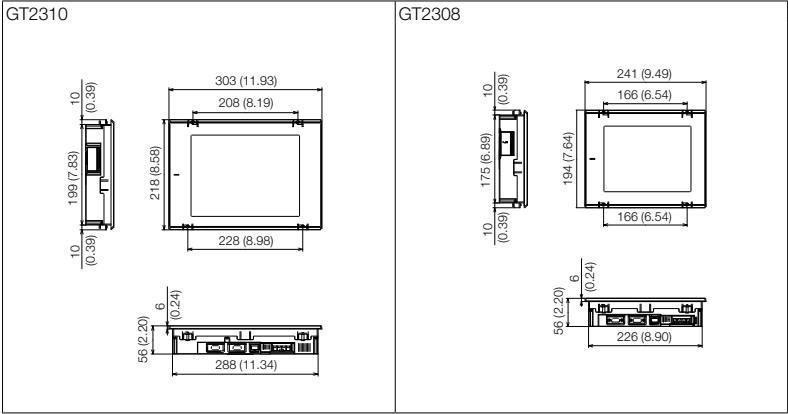


* Panel thickness: 1.6 mm to 4 mm
(0.06 inch to 0.16 inch)

GT23 model

External dimensions

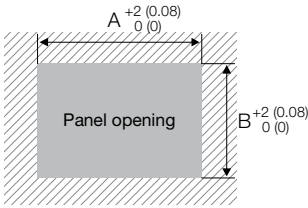
Unit: mm (inch)



Panel cut dimensions

Unit: mm (inch)

Screen size	Model	A	B	Remarks
10.4"	GT2310	289 (11.38)	200 (7.87)	Same dimensions as GT167□, GT157□, GT1275, A97□GOT.
8.4"	GT2308	227 (8.94)	176 (6.93)	Same dimensions as GT166□, GT156□, GT1265.



* Panel thickness: 1.6 mm to 4 mm
(0.06 inch to 0.16 inch)

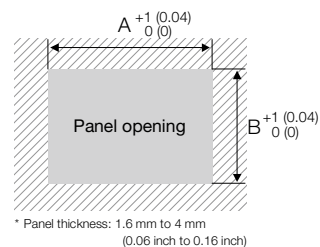
GT21 wide model

Unit: mm (inch)

[illegible]

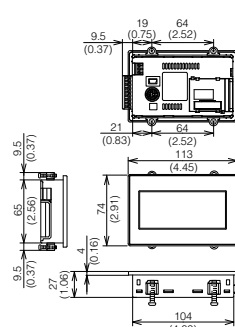
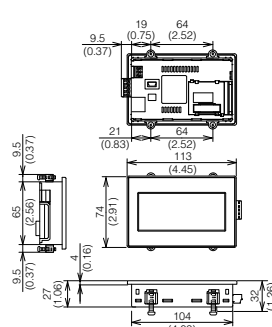
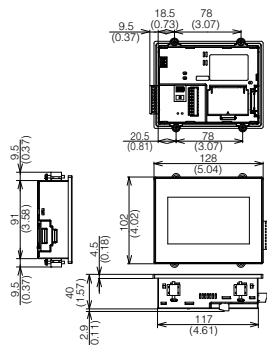
Unit: mm (inch)

Screen size	Model	A	B	Remarks
7" widescreen	GT2107-W	180.5 (7.11)	133.5 (5.26)	—



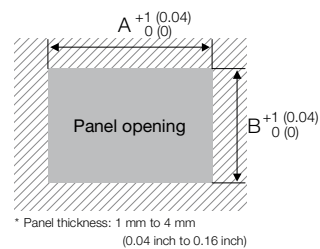
Unit: mm (inch)

GT2103-PMBDS/GT2103-PMBDS2/GT2103-PMBLS



Unit: mm (inch)

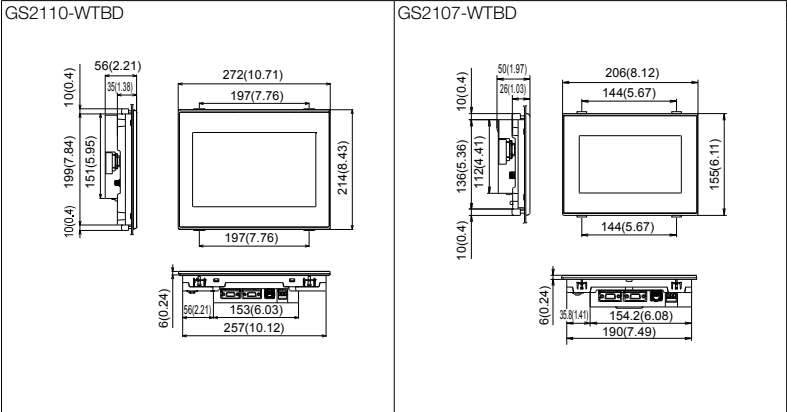
Screen size	Model	A	B	Remarks
4.3"	GT2104	118 (4.65)	92 (3.62)	—
3.8"	GT2103	105 (4.13)	66 (2.60)	Same dimensions as GT1020.



GS21 model

External dimensions

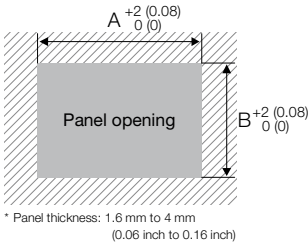
Unit: mm (inch)



Panel cut dimensions

Unit: mm (inch)

Screen size	Model	A	B	Remarks
10" widescreen	GS2110-W	258 (10.16)	200 (7.88)	—
7" widescreen	GS2107-W	191 (7.52)	137 (5.40)	—



Specifications

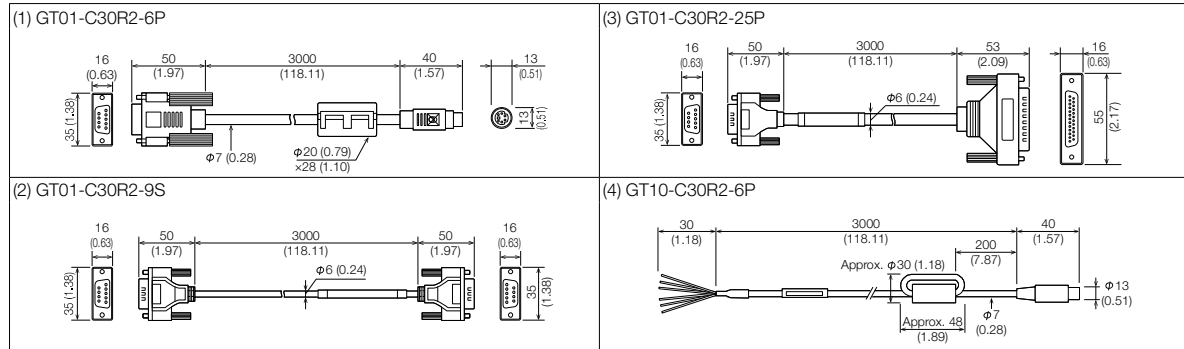
Communication cable

External dimensions

■ RS-232 connection cable connector

Cable model	Cable length (m(ft.))	External dimensions
GT01-C30R2-6P	3(10)	(1)
GT01-C30R2-9S	3(10)	(2)
GT01-C30R2-25P	3(10)	(3)
GT10-C30R2-6P	3(10)	(4)

Unit: mm (inch)

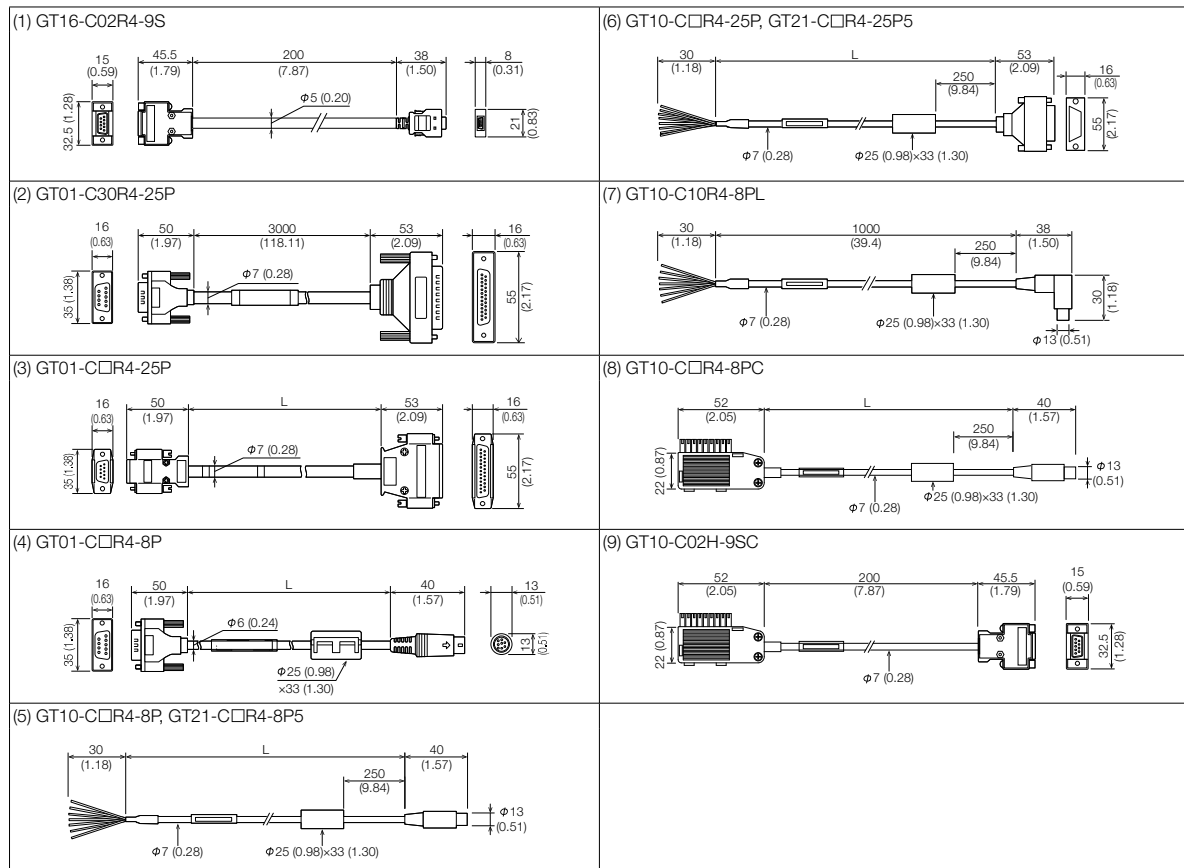


■ RS-422 connection cable connector

Cable model	Cable length (m(ft.))	External dimensions
GT16-C02R4-9S	0.2(0.7)	(1)
GT01-C30R4-25P	3(10)	(2)
GT01-C0R4-25P	10(33), 20(66), 30(98)	(3)
GT01-C0R4-8P	1(3), 3(10), 10(33), 20(66), 30(98)	(4)
GT10-C0R4-8P	1(3), 3(10), 10(33), 20(66), 30(98)	(5)
GT10-C0R4-25P	3(10), 10(33), 20(66), 30(98)	(6)

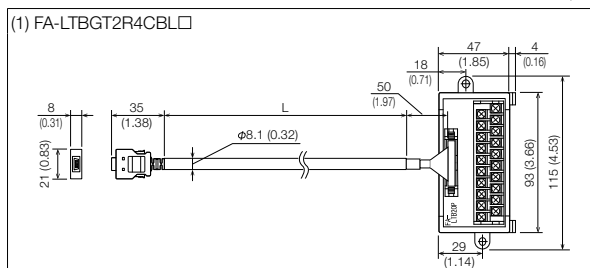
Cable model	Cable length (m(ft.))	External dimensions
GT21-C0R4-8P5	1(3), 3(10), 10(33), 20(66), 30(98)	(5)
GT21-C0R4-25P5	3(10), 10(33), 20(66), 30(98)	(6)
GT10-C10R4-8PL	1(3)	(7)
GT10-C0R4-8PC	1(3), 3(10), 10(33), 20(66), 30(98)	(8)
GT10-C02H-9SC	0.2(0.7)	(9)

Unit: mm (inch)



Cable model	Cable length (m(ft.))	External dimensions
FA-LTBGT2R4CBL□	0.5(1.6), 1(3.3), 2(6.6)	(1)

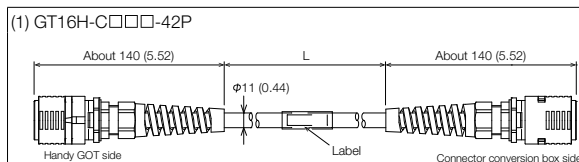
(1) FA-LTBGT2R4CBL□



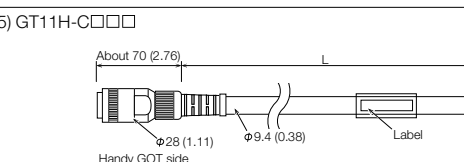
Cable model	Cable length (m(ft.))	External dimensions
GT16H-C□□□-42P	3(10, 6(20), 10(33))	(1)
GT16H-C□□□-37PE	3(10, 6(20), 10(33))	(2)
GT14H-C□□□-42P	3(10, 6(20), 10(33))	(3)
GT11H-C□□□-37P	3(10, 6(20), 10(33))	(4)

Cable model	Cable length (m(ft.))	External dimensions
GT11H-C□□□	3(10), 6(20), 10(33)	(5)
GT11H-C15R4-8P	15(49)	(6)
GT11H-C15R4-25P	15(49)	(7)
GT11H-C15R2-6P	15(49)	(8)

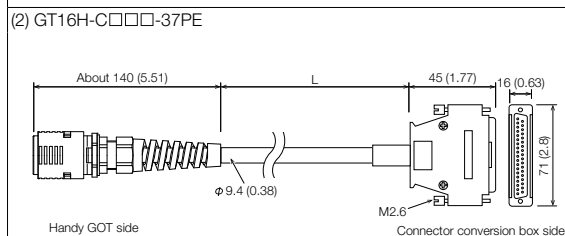
(1) GT16H-C□□□-42P



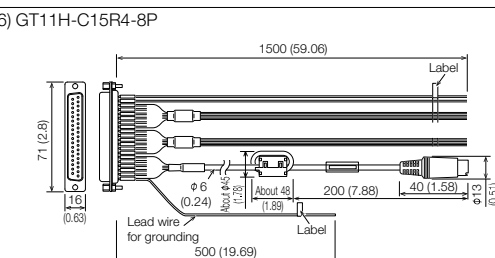
(5) GT11H-C□□□



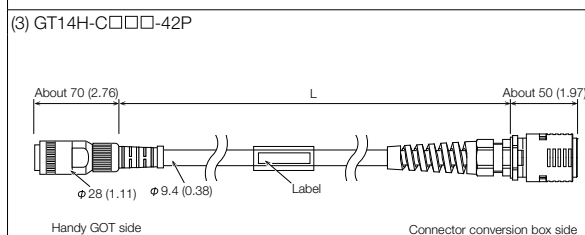
(2) GT16H-C□□□-37PE



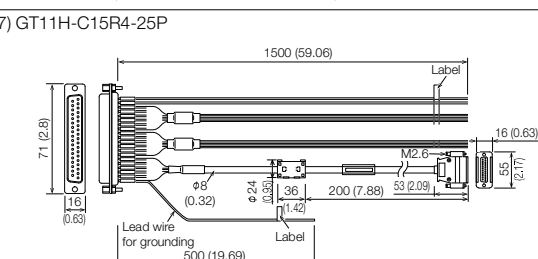
(6) GT11H-C15R4-8P



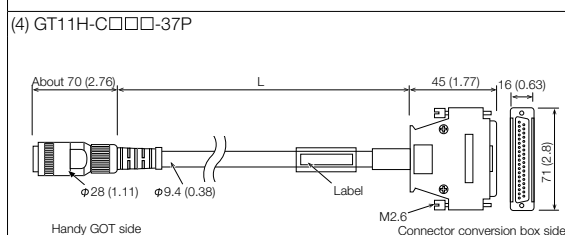
(3) GT14H-C□□□-42P



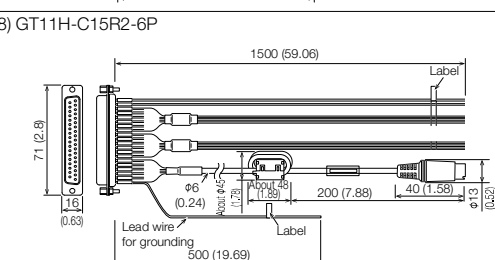
(7) GT11H-C15R4-25P



(4) GT11H-C□□□-37P



(8) GT11H-C15R2-6P



Specifications

Operating environment

MELSOFT GT Works3 Version1 (English Version) operating environment

Item	Description
Personal computer	Personal computer that Windows® runs on.
OS (English, Simplified Chinese, Traditional Chinese, Korean, or German version)	Microsoft® Windows® 10 (Enterprise, Pro) (64 bit/32 bit) *1 *3 *5 *7 *8 *9 Microsoft® Windows® 10 (Home) (64 bit/32 bit) *1 *3 *5 *8 *9 Microsoft® Windows® 10 (IoT Enterprise 2016 LTSC) (64 bit) (English OPK, or English OPK and a language pack for localization) *1 *3 *5 *7 *8 *9 Microsoft® Windows® 8.1 (Enterprise, Pro) (64 bit/32 bit) *1 *3 *5 *6 *7 Microsoft® Windows® 8.1 (64 bit/32 bit) *1 *3 *5 *6 Microsoft® Windows® 8 (Enterprise, Pro) (64 bit/32 bit) *1 *3 *5 *6 *7 Microsoft® Windows® 8 (64 bit/32 bit) *1 *3 *5 *6 Microsoft® Windows® 7 (Enterprise, Ultimate, Professional) (64 bit/32 bit) *1 *3 *4 *5 Microsoft® Windows® 7 (Home Premium) (64 bit/32 bit) *1 *3 *5 Microsoft® Windows® 7 (Starter) (32 bit) *1 *3 Microsoft® Windows Vista® (Enterprise, Ultimate, Business, Home Premium, Home Basic) (32 bit) Service Pack1 or later *1 *3 Microsoft® Windows® XP (Professional, Home Edition) (32 bit) Service Pack3 or later *2 *3
CPU	Intel® Core™2 Duo Processor 2.0 GHz or more recommended
Memory	For a 64-bit OS: 2 GB or more recommended For a 32-bit OS: 1 GB or more recommended
Display	Resolution XGA (1024 × 768 dots) or higher
Hard disk space	For installation: 5 GB or more recommended For execution: 512 MB or more recommended
Display color	High Color (16 bits) or higher
Other hardware	Use the hardware compatible with the above OS. • For installation: mouse, keyboard, DVD-ROM drive • For execution: mouse, keyboard • For printing: printer Use the following hardware when required. • For simulation (only when outputting the buzzer sound): sound card, speaker
Compatible GOT	GOT2000 Series, GOT1000 Series
Applicable software version	GT Works3 Version1.225K or later

- *1 For installation, administrator privileges are required.
For startup, the standard user or administrator account is required. To use GT Designer3 with another MELSOFT application that runs with administrator privileges, run GT Designer3 with administrator privileges.
If you change any setting of the personal computer while GT Designer3 is running, the change will not be applied to GT Designer3.
- *2 For installation, administrator privileges are required.
- *3 The following functions are not supported.
- Application start in Windows compatibility mode
 - Fast user switching
 - Change your desktop themes (fonts)
 - Remote desktop
 - DPI setting other than the normal size (For Windows® XP and Windows Vista®)
 - Setting the size of text and illustrations on the screen to any size other than [Small-100%] (For Windows® 10, Windows® 8.1, Windows® 8, and Windows® 7)
- *4 Windows XP Mode is not supported.
- *5 The touch feature is not supported.
- *6 Modern UI Style is not supported.
- *7 Hyper-V is not supported.
- *8 Tablet mode is not supported.
- *9 Unified Write Filter is not supported.



GT SoftGOT2000 Version1 (English Version) operating environment

Item	Description
Personal computer	Personal computer that Windows® runs on. PPC-852-21G, and PPC-852-22F manufactured by CONTEC CO., LTD.*9 MELIPC (MI5122-VW, MI3321G-W, MI3315G-W, MI2012-W, MI2012-W-CL)*15
OS (English, Simplified Chinese, Traditional Chinese, Korean, or German version)	Microsoft® Windows Server® 2016 (Standard) (64 bit)*1*3*5*7 Microsoft® Windows Server® 2012 (R2 Standard) (64 bit)*1*3*5*6*7 Microsoft® Windows Server® 2008 (R2 Enterprise, R2 Standard) (64 bit)*1*3*4*5 Microsoft® Windows® 10 (Enterprise, Pro) (64 bit/32 bit)*1*3*5*7 Microsoft® Windows® 10 (Home) (64 bit/32 bit)*1*3*5 Microsoft® Windows® 10 (IoT Enterprise 2019 LTSC) (64 bit) (English OPK, or English OPK and a language pack for localization)*1*3*5*7*12*13 Microsoft® Windows® 10 (IoT Enterprise 2016 LTSC) (64 bit) (English OPK, or English OPK and a language pack for localization)*1*3*5*7*12*13 Microsoft® Windows® 8.1 (Enterprise, Pro) (64 bit/32 bit)*1*3*5*6*7 Microsoft® Windows® 8.1 (64 bit/32 bit)*1*3*5*6 Microsoft® Windows® 8 (Enterprise, Pro) (64 bit/32 bit)*1*3*5*6*7 Microsoft® Windows® 8 (64 bit/32 bit)*1*3*5*6 Microsoft® Windows® 7 (Enterprise, Ultimate, Professional) (64 bit/32 bit)*1*3*4*5 Microsoft® Windows® 7 (Home Premium) (64 bit/32 bit)*1*3*5 Microsoft® Windows® 7 (Starter) (32 bit)*1*3 Microsoft® Windows Vista® (Enterprise, Ultimate, Business, Home Premium, Home Basic) (32 bit) Service Pack1 or later*1*3 Microsoft® Windows® XP (Professional, Home Edition) (32 bit) Service Pack3 or later*2*3 Microsoft® Windows® XP Embedded (32 bit)*2*3*8
CPU	Intel® Core™2 Duo Processor 2.0 GHz or more recommended
Memory	For a 64-bit OS: 2 GB or more recommended For a 32-bit OS: 1 GB or more recommended
Display	Resolution XGA (1024 × 768 dots) or higher
Hard disk space*10	For installation: 5 GB or more recommended For execution: 512 MB or more recommended
Display color	High Color (16 bits) or higher
Hardware	GT27-SGTKEY-U (license key (for USB port))
Other software	The following software is required to create the project data. • GT Designer3 Version1.100E or later*11*14 The following software is required for interaction with PX Developer. • PX Developer Version1.40S or later • GT Designer3 Version1.105K or later*11 The following software is required to connect with GX Simulator. • GX Simulator Version5.00A or later The following software is required to connect with GX Simulator2. • GX Works2 Version1.12N or later The following software is required to connect with GX Simulator3. • GX Works3 Version1.007H or later The following software is required to connect with MT Simulator2. • MT Works2 Version1.70Y or later The following software is required to use the OPC UA client connection. • GT OPC UA Client*16
Other hardware	Use the hardware compatible with the above OS. • For installation: mouse, keyboard, DVD-ROM drive • For execution: mouse, keyboard • For printing: printer Prepare the following hardware if necessary. • For execution (only when outputting buzzer sound or others): sound function, speaker

*1 Administrator authority is required for installing and using GT SoftGOT2000.

To use GT SoftGOT2000 and other MELSOFT products in a single personal computer together, other MELSOFT products must also run with administrator authority.

*2 Administrator authority is required for installing and using GT SoftGOT2000.

*3 The following functions are not supported.

- Application start in Windows compatibility mode
- Fast user switching
- Change your desktop themes (fonts)
- Remote desktop
- DPI setting other than the normal size (For Windows® XP and Windows Vista®)
- Setting the size of text and illustrations on the screen to any size other than [Small-100%] (For Windows® 10, Windows® 8.1, Windows® 8, and Windows® 7)

*4 Windows XP Mode is not supported.

*5 Tapping and press-and-hold operation are the supported touch operation.

The following operations cannot be performed with touch operation because operations such as flicking are not supported.

- Simultaneous 2-point press on the touch switch
 - Moving the overlap window and key window by slide operation
- When [Allow press-and-hold of a mouse button to function as a right-click] is selected in the [Environment Setup] dialog of GT SoftGOT2000, the following operations also cannot be performed.
- Touch switch operation with [Momentary] selected for [Action]
 - Touch switch operation with [ON] selected for [Delay]
 - Operation of the utility call key

*6 Modern UI Style is not supported.

*7 Hyper-V is not supported.

*8 For using the PPC-852-22F, GT SoftGOT2000 can be used on the PPC-852-22F with the OS preinstalled only.

*9 Refer to the manual of the PC CPU module to be used.

*10 When using GT Designer3 or PX Developer besides GT SoftGOT2000, additional free space is required.
For the available space required when using GT Designer3, please refer to the GT Works3 operating environment.
For the available space required when using monitor tool functions of PX Developer, please refer to the following manual.
⇒ PX Developer Version □ Operating Manual (Monitor Tool)
When using a user-created application, free space is required separately.

*11 Use GT Designer3 included in GT Works3 that contains GT SoftGOT2000.

*12 The following OSs are not supported.

- Microsoft® Windows® 10 IoT Enterprise for Retail or Thin Client
- Microsoft® Windows® 10 IoT Enterprise for Tablets
- Microsoft® Windows® 10 IoT Enterprise for Small Tablets

*13 The environments that use the following lockdown features are not supported.

- Unified Write Filter
- Assigned Access
- USB Filter
- Layout Control
- AppLocker
- Shell Launcher

*14 To use the Edgecross interaction function, Version1.195D or later is required.

*15 Microsoft® Windows® 10 IoT Enterprise 2016 LTSC is preinstalled. For the specifications of the MELIPC, refer to the following.
• MELIPC MI5000 Series User's Manual (Startup)
• MELIPC MI3000 User's Manual
• MI2012-W User's Manual

*16 To use the OPC UA client connection, use Windows® 7 or later.



Specifications

Function list

For the details of functions, supported controllers, and connection types, please refer to the relevant manual or Help of the GOT2000 Series.
 ●: Supported —: Not supported

Category	Function name	Necessary devices *1	GT27	GT25	GT25 Wide	GT25 Handy	GT25 Rugged
Hardware specifications	Screen size	15"	●	—	—	—	—
		12.1"	●	●	—	—	—
		10.4"	●	●	—	—	—
		10.1" Wide	—	—	●	—	—
		10" Wide	—	—	—	—	—
		8.4"	●	●	—	—	—
		7" Wide	—	—	●	—	●
		6.5"	—	—	—	●	—
		5.7"	●	●	—	●	—
		4.3"	—	—	—	—	—
		3.8"	—	—	—	—	—
	Resolution	WXGA 1280 × 800	—	—	●	—	—
		XGA 1024 × 768	●	—	—	—	—
		SVGA 800 × 600	●	●	—	—	—
		WVGA 800 × 480	—	—	●	—	●
		VGA 640 × 480	●	●	—	●	—
	Color	Other	—	—	—	—	—
		65536 colors	●	●	●	●	●
	Touch panel simultaneous press (2 points)	Monochrome (black/white) 32 shade grayscale	—	—	—	—	—
		Touch panel simultaneous press (2 points)	—	—	—	—	—
	Human sensor	Human sensor	● *10	—	—	—	—
		Memory	Other than below: 57 MB GT2705: 32 MB	32 MB	32 MB	32 MB	32 MB
	Memory	Memory for storage (ROM)	Other than below: 128 MB GT2705: 80 MB	80 MB	128 MB	80 MB	128 MB
		Memory for operation (RAM)	Other than below: 128 MB GT2705: 80 MB	80 MB	128 MB	80 MB	128 MB
	Interface	RS-232	●	●	●	●	●
		RS-422/485	●	●	●	GT2505HS supports RS-422 only	●
		Ethernet	(Ethernet communication unit) 2 ports by installing communication unit	● 2 ports by installing communication unit *17	● 2 ports as standard	●	● 2 ports as standard
		USB host	●	●	●	●	●
		USB device	●	●	●	●	●
		SD memory card interface	●	●	●	●	●
		Extension interface, Side interface, Wireless LAN communication unit interface	Communication units, option units ● *11	● *11 *17	● *11	—	● *11
		Human sensor	● *10	—	—	—	—
Screen design	Figure/object functions	Figure	●	●	●	●	●
		Logo text	●	●	●	●	●
		Outline font	●	●	●	●	●
		Touch switch	●	●	●	●	●
		Lamp	●	●	●	●	●
		Numerical display, Numerical input	●	●	●	●	●
		Text display, Text input	●	●	●	●	●
		Date display, Time display	(Battery) ●	●	●	●	●
		Comment display	●	●	●	●	●
		Parts display	(SD memory card or USB memory) ●	●	●	●	●
		Parts movement	(SD memory card or USB memory) ●	●	●	●	●
		Historical data list display	(SD memory card or USB memory) ●	●	●	●	●
		Simple alarm display	●	●	●	●	●
		System alarm display	●	●	●	●	●
		Alarm display (user)	(SD memory card or USB memory, battery) ●	●	●	●	●
		Alarm display (system)	(SD memory card or USB memory, battery) ●	●	●	●	●
		Recipe display (record list)	●	●	●	●	●
		Line graph	●	●	●	●	●
		Trend graph	●	●	●	●	●
		Bar graph	●	●	●	●	●
		Statistic bar graph	●	●	●	●	●
		Statistic pie graph	●	●	●	●	●
		Scatter graph	●	●	●	●	●
		Historical trend graph	(SD memory card or USB memory) ●	●	●	●	●
		Graphical meter	●	●	●	●	●
		Level	●	●	●	●	●
		Panelmeter	●	●	●	●	●
		Slider	●	●	●	●	●
	Functions performed on background of GOT	Document display	SD memory card ●	●	●	●	●
		Script parts	●	●	●	●	●
		Logging	(SD memory card or USB memory, battery) ●	●	●	●	●
		Recipe	(SD memory card or USB memory, battery) ●	●	●	●	●
		Device data transfer	●	●	●	●	●
		Trigger action	●	●	●	●	●
		Time action	(SD memory card or USB memory) ●	●	●	●	●
		File output	(SD memory card or USB memory) ●	●	●	●	●
		Serial printer output	●	●	●	—	●
		Ethernet printer output NEW	●	●	●	●	●
		PictBridge printer output	Printer unit ●	● *17	—	—	—
		Project script, Screen script	●	●	●	●	●
		Object script	●	●	●	●	●

- *1 Necessary units when using GT27, GT25, GT25 wide, GT25 handy, GT25 rugged, GT23, GT21 wide, GT21, or GS21 models are shown. Parenthesized devices are required depending on conditions of use.
- *2 Data is output to the printer that is recognized by the personal computer.
- *3 CSV files are saved in the virtual drive of the personal computer so that it is recommended to output the files to printers.
- *4 Only the GOTs with SVGA or higher resolution are supported.

- *5 Remote personal computer operation function (Ethernet) cannot be used. The following screens are displayed horizontally: utility screen, monitor and data management screens that are displayed from the utility screen (sequence program monitor, etc.), video camera images in the multimedia and video display functions. For the details of other GOT operations when placed vertically, please refer to the relevant product manual or Help.
- *6 Excluding GT2103-PMBLS.
- *7 GT2104-RTBD only.

Specifications

For the details of functions, supported controllers, and connection types, please refer to the relevant manual or Help of the GOT2000 Series.
 ●: Supported —: Not supported

Category	Function name	Necessary devices ^{*1}	GT23	GT21 Wide	GT21	GS21	GT SoftGOT2000
Hardware specifications	Screen size	15"	—	—	—	—	
		12.1"	—	—	—	—	
		10.4"	●	—	—	—	
		10.1" Wide	—	—	—	—	
		10" Wide	—	—	—	●	
		8.4"	●	—	—	—	
		7" Wide	—	●	—	●	
		6.5"	—	—	—	—	
		5.7"	—	—	—	—	
		4.3"	—	—	●	—	
		3.8"	—	—	●	—	
	Resolution	WXGA 1280 × 800	—	—	—	—	Flexible resolution 640 to 1920 × 480 to 1200
		XGA 1024 × 768	—	—	—	—	
		SVGA 800 × 600	—	—	—	—	
		WVGA 800 × 480	—	●	—	●	
		VGA 640 × 480	●	—	—	—	
	Color	Other	—	—	GT2104-R: 480 × 272 GT2103-P: 320 × 128	—	
		1656 colors	●	●	●	●	
		Monochrome (black/white) 32 shade grayscale	—	—	●	—	
		Touch panel simultaneous press (2 points)	—	—	—	—	
	Memory	Human sensor	—	—	—	—	—
		Memory for storage (ROM)	9 MB	15 MB	GT2104-R: 9 MB GT2103-P: 3 MB	9 MB	57 MB
		Memory for operation (RAM)	9 MB	—	—	—	—
	Interface	RS-232	●	●	● ^{*20}	●	● ^{*12}
		RS-422/485	●	●	● ^{*20}	● RS-422 only	● ^{*12}
		Ethernet (Ethernet communication unit)	●	●	● ^{*20}	●	● ^{*11}
		USB host	●	●	—	—	● ^{*13}
		USB device	●	●	●	●	● ^{*13}
		SD memory card interface	●	●	● ^{*14}	●	
		Extension interface, Side interface, Wireless LAN communication unit interface	—	—	—	—	● ^{*11}
Screen design	Figure/object functions	Figure	●	●	●	●	●
		Logo text	●	●	●	●	●
		Outline font	●	●	—	—	●
		Touch switch	●	●	●	●	●
		Lamp	●	●	●	●	●
		Numerical display, Numerical input	●	●	●	●	●
		Text display, Text input	●	●	●	●	●
		Date display, Time display (Battery)	●	●	●	●	●
		Comment display	●	●	●	●	●
		Parts display (SD memory card or USB memory)	●	●	● ^{*16}	●	●
		Parts movement (SD memory card or USB memory)	●	●	● ^{*16}	●	●
		Historical data list display (SD memory card or USB memory)	●	●	● ^{*16}	●	●
		Simple alarm display	●	●	●	●	●
		System alarm display	●	—	—	—	●
		Alarm display (user) (SD memory card or USB memory, battery)	●	●	● ^{*16}	●	●
		Alarm display (system) (SD memory card or USB memory, battery)	●	—	—	—	●
		Recipe display (record list)	●	●	●	●	●
		Line graph	●	●	●	●	●
		Trend graph	●	●	●	●	●
		Bar graph	●	●	●	●	●
		Statistic bar graph	●	●	●	●	●
		Statistic pie graph	●	●	●	●	●
		Scatter graph	●	●	●	●	●
		Historical trend graph (SD memory card or USB memory)	●	●	● ^{*16}	●	●
	Functions performed on background of GOT	Graphical meter	●	●	●	●	●
		Level	●	●	●	●	●
		Panelmeter	●	●	●	●	●
		Slider	●	●	●	●	●
		Document display SD memory card	—	—	—	—	●
		Script parts	●	●	●	●	●
		Logging (SD memory card or USB memory, battery)	●	●	● ^{*6}	●	●
		Recipe (SD memory card or USB memory, battery)	●	●	● ^{*16}	●	●
		Device data transfer	●	●	●	●	●
		Trigger action	●	●	●	●	●
		Time action (SD memory card or USB memory)	●	●	●	●	●
		Hard copy (SD memory card or USB memory)	File output	●	● ^{*6}	●	●
			Serial printer output	●	● ^{*6}	●	● ^{*2}
			Ethernet printer output NEW	●	● ^{*15}	●	—
			PictBridge printer output Printer unit	—	—	—	● ^{*2}
		Project script, Screen script	●	●	●	●	●
		Object script	●	—	—	—	●

^{*8} Excluding GT2705-VTBD.

^{*9} To use multiple units such as extension units, barcode readers, or RFID controllers with a GT2705-VTBD, the total current consumption of the units should be less than the value that the GT2705-VTBD can provide. For the details, please refer to the relevant manual of the GOT2000 Series.

^{*10} GT2715-XTBA, GT2715-STBD, GT2712-STBA, GT2712-STBD, GT2712-STWA, GT2712-STWD only.

^{*11} For the applicable communication units and option units, please refer to "Connectable model list" (page 152), "Product list" (page 172), and the relevant product manual.

^{*12} Use the standard interface of the personal computer.

^{*13} When using functions that require a USB memory or SD memory card, a virtual drive in the personal computer is used.

^{*14} GT2103-PMBD, GT2103-PMBDS, and GT2103-PMBDS2 require an SD memory card unit (GT21-03SDCD) separately. GT2103-PMBLS does not allow for SD memory cards.

^{*15} GT2104-RTBD, GT2103-PMBD only.

^{*16} On GT2103-PMBLS, only the functions that do not require SD memory card can be used.

^{*17} Excluding GT2505-VTBD.

^{*18} GT25 wide models have a built-in sound output interface so that the sound output unit is not required.

^{*19} GT2505HS-VTBD supports the function with Ethernet connection only.

^{*20} GT21 has different interfaces depending on the model. For the details, please refer to the performance specifications on pages 134 and 135.

^{*21} Only Ethernet, OPC UA client, and microcomputer connections are supported.

Specifications

Function list

For the details of functions, supported controllers, and connection types, please refer to the relevant manual or Help of the GOT2000 Series.
 ●: Supported —: Not supported

Category	Function name	Necessary devices *1	GT27	GT25	GT25 Wide	GT25 Handy	GT25 Rugged
Functions used with peripheral devices	Barcode function		●	●	●	—	●
	RFID function		●	●	●	—	●
	GOT Mobile function	License, (SD memory card)	●	●	●	●	●
	VNC server function	License	●	●	●	●	●
	Remote personal computer operation function (Ethernet)	License	●	●	●	●	●
	Remote personal computer operation function (serial)	RGB input unit or Video/RGB input unit	● *8	—	—	—	—
	Video display function	Video input unit or Video/RGB input unit	● *8	—	—	—	—
	RGB display function	RGB input unit or Video/RGB input unit	● *8	—	—	—	—
	Multimedia function	Multimedia unit, CF card	● *8	—	—	—	—
	External I/O function	External I/O unit	●	● *17	—	—	—
	Operation panel function	External I/O unit	●	● *17	—	—	—
	Video output function	HDMI output NEW	● *8	—	—	—	—
		RGB output	● *8	—	—	—	—
	Report function	File output NEW	●	●	●	●	●
		Serial printer output	●	●	●	—	●
		Ethernet printer output NEW	●	●	●	●	●
		PictBridge printer output	●	● *17	—	—	—
		SD memory card or USB memory, printer unit	●	●	—	—	—
	Sound output function	Sound output unit *18	●	● *17	● *18	—	● *18
	Server function, Client function		●	●	●	●	●
	Mail send function		●	●	●	●	●
	Network drive function NEW		●	●	●	●	●
	FTP server function	(SD memory card or USB memory)	●	●	●	●	●
	File transfer function (FTP transfer)	SD memory card or USB memory	●	●	●	●	●
	File transfer function (GOT internal transfer)	SD memory card or USB memory	●	●	●	●	●
	MES interface function	License, (SD memory card)	●	●	●	●	●
	Wireless LAN function	Wireless LAN communication unit	●	● *17	●	—	●
	USB mouse, USB keyboard		●	●	●	●	●
GOT functions	Base screen		●	●	●	●	●
	Overlap window		●	●	●	●	●
	Superimpose window		●	●	●	●	●
	Dialog window		●	●	●	●	●
	Mobile screen		●	●	●	●	●
	Key window		●	●	●	●	●
	Language switching		●	●	●	●	●
	System information		●	●	●	●	●
	Operator authentication function	(SD memory card or USB memory)	●	●	●	●	●
	Operation log	SD memory card or USB memory	●	●	●	●	●
	Startup logo		●	●	●	●	●
	KANA KANJI conversion		●	●	●	●	●
	FA transparent		●	●	●	●	●
	SoftGOT-GOT link	License key	●	●	●	●	●
	Backup/Restoration	SD memory card or USB memory	●	●	●	●	●
	Multi-channel function		● *19 4 channels (Up to 3 units)	● 4 channels (Up to 3 units *17)	● 4 channels (No units can be mounted)	● *19 4 channels (No units can be mounted)	● 4 channels (No units can be mounted)
	Station No. switching		●	●	●	●	●
	GOT network interaction		●	●	●	●	●
	Screen gesture function		●	—	—	—	—
	Object gesture function		●	—	—	—	—
	Security key authentication function		●	●	●	●	●
	IP filter function		●	●	●	●	●
	File manager	(SD memory card or USB memory)	●	●	●	●	●
	Vertical display *5		(Rotate 90 ° to left)	(Other than below: rotate 90° to left GT2505: rotate 90° to right)	(Rotate 90 ° to left)	—	(Rotate 90 ° to left)
Maintenance functions	Device monitor	(SD memory card or USB memory)	●	●	●	●	●
	Sequence program monitor (IQ-R ladder)	SD memory card or USB memory	●	●	●	●	●
	Sequence program monitor (Ladder)	SD memory card or USB memory	●	●	●	●	●
	Sequence program monitor (SFC)	SD memory card or USB memory	●	●	●	●	●
	Network monitor		●	●	●	●	●
	CC-Link IE Field Network diagnostics		●	●	●	●	●
	Intelligent module monitor		●	●	●	●	●
	Drive recorder	(SD memory card or USB memory)	●	●	●	●	●
	Servo amplifier graph NEW	(SD memory card or USB memory)	●	●	●	●	●
	Motion program editor NEW		● *14	● *14	—	—	—
	Motion program I/O NEW	SD memory card or USB memory	● *14	● *14	—	—	—
	Servo amplifier monitor		●	●	●	●	●
	R motion monitor		●	●	●	●	●
	Q motion monitor		●	●	●	●	●
	Motion SFC monitor	SD memory card or USB memory	●	●	●	●	●
	CNC monitor 2		●	●	—	●	—
	CNC monitor		● *14	● *14	—	—	—
	CNC data I/O	SD memory card or USB memory	● *14	● *14	—	—	—
	CNC machining program edit		● *14	● *14	—	—	—
	Log viewer	(SD memory card or USB memory)	●	●	●	●	●
	FX list editor		●	●	—	●	—
	FX ladder monitor		●	●	●	●	●
	IQSS utility	SD memory card or USB memory	●	●	●	●	●
	System launcher		●	●	●	●	●
	System launcher (servo network)		●	●	●	●	●
	MELSEC-L troubleshooting		●	●	●	●	●

*1 Necessary units when using GT27, GT25, GT25 wide, GT25 handy, GT25 rugged, GT23, GT21 wide, GT21, or GS21 models are shown. Parenthesized devices are required depending on conditions of use.

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

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

*4 Only the GOTs with SVGA or higher resolution are supported.

*5 Remote personal computer operation function (Ethernet) cannot be used. The following screens are displayed horizontally: utility screen, monitor and data management screens that are displayed from the utility screen (sequence program monitor, etc.), video camera images in the multimedia and video display functions. For the details of other GOT operations when placed vertically, please refer to the relevant product manual or Help.

*6 Excluding GT2103-PMBLS.

*7 GT2104-RTBD only.

Specifications

For the details of functions, supported controllers, and connection types, please refer to the relevant manual or Help of the GOT2000 Series.
 ●: Supported —: Not supported

Category	Function name	Necessary devices *1	GT23	GT21 Wide	GT21	GS21	GT SoftGOT2000
Functions used with peripheral devices	Barcode function		●	●	●*6	●	●
	RFID function		●	●	●*6	●	●
	GOT Mobile function	License, (SD memory card)	—	—	—	—	—
	VNC server function	License	—	●	—	—	—
	Remote personal computer operation function (Ethernet)	License	—	—	—	—	—
	Remote personal computer operation function (serial)	RGB input unit or Video/RGB input unit	—	—	—	—	—
	Video display function	Video input unit or Video/RGB input unit	—	—	—	—	—
	RGB display function	RGB input unit or Video/RGB input unit	—	—	—	—	—
	Multimedia function	Multimedia unit, CF card	—	—	—	—	—
	External I/O function	External I/O unit	—	—	—	—	—
	Operation panel function	External I/O unit	—	—	—	—	●
	Video output function	HDMI output NEW	Digital video output unit	—	—	—	—
		RGB output	RGB output unit	—	—	—	—
		File output NEW	(SD memory card or USB memory)	—	—	—	●*3
	Report function	Serial printer output	(SD memory card or USB memory)	●	●*6	●	●*3
		Ethernet printer output NEW	(SD memory card or USB memory)	●	●*15	●	●*3
		PictBridge printer output	SD memory card or USB memory, printer unit	—	—	—	●*3
	Sound output function	Sound output unit *18	—	—	—	—	●
	Server function, Client function		—	—	—	—	—
	Mail send function		—	—	—	—	●
	Network drive function NEW		—	—	—	—	●
	FTP server function	(SD memory card or USB memory)	●	●	●*15	●	—
	File transfer function (FTP transfer)	SD memory card or USB memory	●	●	●*15	●	—
	File transfer function (GOT internal transfer)	SD memory card or USB memory	●	—	—	—	—
	MES interface function	License, (SD memory card)	—	—	—	—	—
	Wireless LAN function	Wireless LAN communication unit	—	—	—	—	—
	USB mouse, USB keyboard		●	●	—	—	●
GOT functions	Base screen		●	●	●	●	●
	Overlap window		●	●	●	●	●
	Superimpose window		●	●	●	●	●
	Dialog window		●	●	●	●	●
	Mobile screen		—	—	—	—	—
	Key window		●	●	●	●	●
	Language switching		●	●	●	●	●
	System information		●	●	●	●	●
	Operator authentication function	(SD memory card or USB memory)	●	●	●*16	●	●
	Operation log	SD memory card or USB memory	●	—	—	—	●
	Startup logo		●	●	●	●	●
	KANA KANJI conversion		—	—	—	—	●
	FA transparent		●	●	●	●	—
	SoftGOT-GOT link	License key	—	—	—	—	●
	Backup/Restoration	SD memory card or USB memory	●	—	●*6	●	—
	Multi-channel function		● (No units can be mounted)	● (No units can be mounted)	●*6 (No units can be mounted)	● (No units can be mounted)	●*21 NEW 4 channels
	Station No. switching		—	●	●	●	●
	GOT network interaction		●	—	—	—	●
	Screen gesture function		—	—	—	—	—
	Object gesture function		—	—	—	—	—
	Security key authentication function		●	—	—	—	—
	IP filter function		●	●	●	●	—
	File manager	(SD memory card or USB memory)	●	—	—	—	—
	Vertical display *5		● (Rotate 90 ° to left)	● (Rotate 90 ° to left)	● (Rotate 90 ° to right)	● (Rotate 90 ° to left)	—
Maintenance functions	Device monitor	(SD memory card or USB memory)	●	●	●	●	—
	Sequence program monitor (IQ-R ladder)	SD memory card or USB memory	—	—	—	—	—
	Sequence program monitor (Ladder)	SD memory card or USB memory	—	—	—	—	—
	Sequence program monitor (SFC)	SD memory card or USB memory	—	—	—	—	—
	Network monitor		—	—	—	—	—
	CC-Link IE Field Network diagnostics		—	—	—	—	—
	Intelligent module monitor		—	—	—	—	—
	Drive recorder	(SD memory card or USB memory)	—	—	—	—	—
	Servo amplifier graph NEW	(SD memory card or USB memory)	—	—	—	—	—
	Motion program editor NEW		—	—	—	—	—
	Motion program I/O NEW	SD memory card or USB memory	—	—	—	—	—
	Servo amplifier monitor		—	—	—	—	—
	R motion monitor		—	—	—	—	—
	Q motion monitor		—	—	—	—	—
	Motion SFC monitor	SD memory card or USB memory	—	—	—	—	—
	CNC monitor 2		—	—	—	—	—
	CNC monitor		—	—	—	—	—
	CNC data I/O	SD memory card or USB memory	—	—	—	—	—
	CNC machining program edit		—	—	—	—	—
	Log viewer	(SD memory card or USB memory)	—	—	—	—	—
	FX list editor		●	●	●*7	●	—
	FX ladder monitor		—	—	—	—	—
	IQSS utility	SD memory card or USB memory	—	—	—	—	—
	System launcher		●	—	—	—	—
	System launcher (servo network)		—	—	—	—	—
	MELSEC-L troubleshooting		—	—	—	—	—

*8 Excluding GT2705-VTBD.

*9 To use multiple units such as extension units, barcode readers, or RFID controllers with a GT2705-VTBD, the total current consumption of the units should be less than the value that the GT2705-VTBD can provide. For the details, please refer to the relevant manual of the GOT2000 Series.

*10 GT2715-XTBA, GT2715-XTBD, GT2712-STBA, GT2712-STBD, GT2712-STWA, GT2712-STWD only.

*11 For the applicable communication units and option units, please refer to "Connectable model list" (page 152), "Product list" (page 172), and the relevant product manual.

*12 Use the standard interface of the personal computer.

*13 When using functions that require a USB memory or SD memory card, a virtual drive in the personal computer is used.

*14 GT2103-PMBD, GT2103-PMBDS, and GT2103-PMBDS2 require an SD memory card unit (GT21-03SDCD) separately. GT2103-PMBLS does not allow for SD memory cards.

*15 GT2104-RTBD, GT2103-PMBD only.

*16 On GT2103-PMBLS, only the functions that do not require SD memory card can be used.

*17 Excluding GT2505-VTBD.

*18 GT25 wide models have a built-in sound output interface so that the sound output unit is not required.

*19 GT2505HS-VTBD supports the function with Ethernet connection only.

*20 GT21 has different interfaces depending on the model. For the details, please refer to the performance specifications on pages 134 and 135.

*21 Only Ethernet, OPC UA client, and microcomputer connections are supported.

Specifications

Connectable model list (GOT2000/GOT SIMPLE)

◆ Mitsubishi Electric programmable controllers/C Controller modules/Safety controllers/Motion controllers

Series			Model name		Connection type																			
					GT27/GT25						GT23			GT21/GS21 ¹										
					Ethernet connection	Direct CPU connection	Serial communication connection	CC-Link IE TSN connection ⁴² NEW	CC-Link IE Controller Network connection ⁴²	CC-Link IE Field Network connection ⁴²	CC-Link connection (via G4) ²	Bus connection ³ ⁴²	MELSECNET/H connection ⁴²	MELSECNET/10 connection ⁴ ⁴²	Multi-drop connection ⁵	Ethernet connection	Direct CPU connection	Serial communication connection	Ethernet connection ⁶	Multi-drop connection ⁵	CC-Link connection (via G4) ²	Serial communication connection	Direct CPU connection	Ethernet connection ⁶
Programmable controller	MELSEC IQ-R Series	Programmable controller CPU	R00CPU NEW																					
			R01CPU NEW																					
			R02CPU NEW																					
			R04CPU																					
			R08CPU																					
			R16CPU																					
			R32CPU																					
			R120CPU																					
			R04ENCPU																					
			R08ENCPU																					
			R16ENCPU																					
			R32ENCPU																					
			R120ENCPU																					
		Safety CPU	R08SFCPU ³⁹																					
			R16SFCPU ³⁹																					
			R32SFCPU ³⁹																					
			R120SFCPU ³⁹																					
		Process CPU	R08PCPU ⁴¹																					
			R16PCPU ⁴¹																					
			R32PCPU ⁴¹																					
			R120PCPU ⁴¹																					
		SIL2 process CPU NEW	R08PSFCPU ⁴³																					
			R16PSFCPU ⁴³																					
			R32PSFCPU ⁴³																					
			R120PSFCPU ⁴³																					
	MELSEC-Q Series (Q mode)	High-speed type universal model QCPU	Q03UDVCPU																					
			Q04UDVCPU																					
			Q06UDVCPU																					
			Q13UDVCPU																					
			Q26UDVCPU																					
		Universal model QCPU	Q00UJCPU																					
			Q00UCPU																					
			Q01UCPU																					
			Q02UCPU																					
			Q03UDCPU																					
			Q04UDHCPU																					
			Q06UDHCPU																					
			Q10UDHCPU																					
			Q13UDHCPU																					
			Q20UDHCPU																					
			Q26UDHCPU																					
		Built-in Ethernet type	Q03UDECPU																					
			Q04UDEHCPU																					
			Q06UDEHCPU																					
			Q10UDEHCPU																					
			Q13UDEHCPU																					
			Q20UDEHCPU																					
			Q26UDEHCPU																					
			Q100UDEHCPU																					
		Basic model QCPU	Q00JCPU																					
			Q00CPU ¹⁶																					
			Q01CPU ¹⁶																					
		High performance model QCPU	Q02CPU ¹⁶																					
			Q02HCPU ¹⁶																					
			Q06HCPU ¹⁶																					
			Q12HCPU ¹⁶																					
		Process CPU	Q02PHCPU																					
			Q06PHCPU																					
			Q12PHCPU																					
		Redundant CPU (main base)	Q12PRHCPU																					
			Q25PRHCPU																					
		Redundant CPU (extension base)	Q12PRHCPU																					
			Q25PRHCPU																					
	MELSEC-QS Series		QS001CPU																					
	MELSEC-L Series	L02SCPU	L02SCPU																					
			L02SCPU-P																					
			L02CPU																					
			L06CPU																					
			L06CPU-P																					
			L26CPU																					
			L26CPU-P																					
			L26CPU-BT																					
			L26CPU-PBT																					
			L26CPU-PBT																					
	MELSEC IQ-F Series		FX5U																					
	MELSEC-F Series	FX5UC	FX5UC																					
			FX5UJ NEW																					
			FX0																					
			FX0S																					
			FX0N																					
			FX1																					
			FX1S																					
			FX1N																					

Specifications

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

Series		Model name	Connection type															
			GT27/GT25								GT23				GT21/GS21 ^{*1}			
			Ethernet connection	Direct CPU connection	Serial communication connection	CC-Link IE TSN connection ^{*42} NEW	CC-Link IE Controller Network connection ^{*42}	CC-Link IE Field Network connection ^{*42}	CC-Link connection (via G4) ^{*2}	Bus connection ^{*3} ^{*42}	MELSECNET/H connection ^{*42}	MELSECNET/10 connection ^{*42}	Multi-drop connection ^{*5}	Ethernet connection	Direct CPU connection	Serial communication connection	CC-Link connection (via G4) ^{*2}	Multi-drop connection ^{*5}
Programmable controller	MELSEC-F Series	FX2	×	○	×	×	×	×	×	×	×	×	○	×	○	×	×	○
		FX2C																
		FX2N	×	○	×	×	×	×	×	×	×	×	○	×	○	×	×	○
		FX2NC																
		FX3G																
		FX3GC																
		FX3U	○ ^{*20}	○	×	×	×	×	○ ^{*38}	×	×	×	○	○ ^{*20}	○	×	×	○
		FX3UC																
C Controller module	MELSEC-Q Series	R120CPU-V	○ ^{*37}	×	○ ^{*28}	×	○	○	○	×	×	×	×	○ ^{*37}	×	○ ^{*28}	×	×
		Q24DHCCPU-V																
		Q24DHCCPU-VG																
		Q24DHCCPU-LS	○	○ ^{*8}	○ ^{*28}	×	○ ^{*8}	○	○	○	○	○	○ ^{*8} ^{*28}	○	○ ^{*8}	○ ^{*28}	○	○ ^{*8} ^{*28}
Safety controller	MELSEC-WS Series	WS0-CPU0																
		WS0-CPU1	×	○	×	×	×	×	×	×	×	×	×	×	○	×	×	×
		WS0-CPU3																
		R16MTCPU																
Motion controller	MELSEC-IQ-R Series	R32MTCPU	○	×	○	×	○	○	○	×	×	×	×	○	×	○	×	×
		R64MTCPU																
		Q172CPU ^{*32} Discontinued	○ ^{*18} ^{*31}	○ ^{*33}	○ ^{*31}	×	×	×	○ ^{*31}	○ ^{*31}	○ ^{*33}	○ ^{*18} ^{*31}	○ ^{*31} ^{*33}	○ ^{*18} ^{*31}	○ ^{*33}	○ ^{*31}	○ ^{*31} ^{*33}	○ ^{*18} ^{*31}
		Q172CPU ^{*32} Discontinued	○ ^{*18} ^{*31}	○ ^{*33}	○ ^{*31}	×	×	×	○ ^{*31}	○ ^{*31}	○ ^{*33}	○ ^{*18} ^{*31}	○ ^{*31} ^{*33}	○ ^{*18} ^{*31}	○ ^{*33}	○ ^{*31}	○ ^{*31} ^{*33}	○ ^{*18} ^{*31}
	MELSEC-Q Series	Q172CPUN ^{*32} Discontinued	○ ^{*18} ^{*31}	○	○	×	×	×	○	○	○	○	○ ^{*18} ^{*31}	○	○	○	○	○
		Q173CPU ^{*32} Discontinued	○ ^{*18} ^{*31}	○	○	×	×	×	○	○	○	○	○ ^{*18} ^{*31}	○	○	○	○	○
		Q172HCPU ^{*32} Discontinued	○ ^{*18} ^{*31}	○ ^{*8}	○	×	×	×	○	○	○	○	○ ^{*18} ^{*31}	○ ^{*8}	○	○	○	○ ^{*8}
		Q173HCPU ^{*32} Discontinued	○ ^{*18} ^{*31}	○ ^{*8}	○	×	×	×	○	○	○	○	○ ^{*18} ^{*31}	○ ^{*8}	○	○	○	○ ^{*8}
		Q172DCPU	○ ^{*18} ^{*31}	○ ^{*8}	○	×	○	×	○	○	○	○	○ ^{*18} ^{*31}	○ ^{*8}	○	○	○	○ ^{*8}
		Q173DCPU	○ ^{*18} ^{*31}	○ ^{*8}	○	×	○	×	○	○	○	○	○ ^{*18} ^{*31}	○ ^{*8}	○	○	○	○ ^{*8}
		Q172DCPU-S1	○ ^{*18} ^{*34}	○ ^{*8}	○	×	○	×	○	○	○	○	○ ^{*18} ^{*34}	○ ^{*8}	○	○	○	○ ^{*8}
		Q173DCPU-S1	○ ^{*18} ^{*34}	○ ^{*8}	○	×	○	×	○	○	○	○	○ ^{*18} ^{*34}	○ ^{*8}	○	○	○	○ ^{*8}
		Q172DSCPU	○ ^{*18} ^{*31}	○ ^{*8}	○	×	○	×	○	○	○	○	○ ^{*18} ^{*31}	○ ^{*8}	○	○	○	○ ^{*8}
		Q173DSCPU	○ ^{*18} ^{*31}	○ ^{*8}	○	×	○	×	○	○	○	○	○ ^{*18} ^{*31}	○ ^{*8}	○	○	○	○ ^{*8}
		Q170MCPUS ^{*35}	○ ^{*18} ^{*34}	○	○	×	○	○	○	○	○	○	○ ^{*18} ^{*34}	○	○	○	○	○
		Q170MSCPU	○ ^{*18} ^{*31}	○	○	×	○	○	○	○	○	○	○ ^{*18} ^{*31}	○	○	○	○	○
		Q170MSCPU-S1	○ ^{*18} ^{*31}	○	○	×	○	○	○	○	○	○	○ ^{*18} ^{*31}	○	○	○	○	○
		MR-MQ100	○	○	×	×	×	×	×	×	×	×	○	○	○	×	×	○
		QJ72LP25-25	○	○	○	×	×	×	×	×	×	×	○	○	○	×	×	○
		QJ72LP25G	○	○	○	×	×	×	×	×	×	×	○	○	○	×	×	○
		QJ72BR15	○	○	○	×	×	×	×	×	×	×	○	○	○	×	×	○
		CC-Link IE Field Network head module	○	×	○	×	×	×	×	×	×	×	○	×	○	×	×	×
		CC-Link IE Field Network Ethernet adapter module	○	×	○	×	×	×	×	×	×	×	○	×	○	×	×	×

- ^{*1} GT2103-PMBLS supports connection with MELSEC IQ-F Series and MELSEC-F Series only.
- ^{*2} CC-Link (via G4): connect to the CC-Link system via AJ65BT-G4-S3 or AJ65BT-R2N.
- ^{*3} When using bus connection, follow the precautions below.
- When multiple GOTs are connected, the GOT2000 Series cannot be connected with the GOT800 Series or AT7GOT.
 - Bus connection cannot be established with QCPU (A mode).
 - The number of connectable GOTs is restricted according to the CPU type and the number of intelligent function modules.
 - The GOT2000 Series, GOT1000 Series, and GOT-A900 Series can be connected together in a system. Please refer to the following Technical Bulletins on the Mitsubishi Electric Factory Automation Global website (www.mitsubishielectric.com/fa/).
 - "Precautions when Replacing GOT1000 Series with GOT2000 Series" No. GOT-A-0061
 - "Precautions when Replacing GOT-A900 Series with GOT2000 Series" No. GOT-A-0062
- ^{*4} Includes the case on the MELSECNET/H network system in the MN107 mode. The GOT cannot be connected to the remote I/O network.
- ^{*5} When the number of connected slave GOTs and the device points of each GOT increase, the device update cycle on the screen may get slower.
- (Please consider 250 points as a guide of 1 GOT, and 750 points as a guide of the total points.)
- ^{*6} Only supported by GT2107-WTBD, GT2107-WTSD, GT2104-RTBD, GT2103-PMBD, GS2110-WTBD, and GS2107-WTBD.
- ^{*7} GT2103-PMBDS2, GT2103-PMBLS, GS2110-WTBD, and GS2107-WTBD are not supported.
- ^{*8} Access via the serial port (RS-232C) of QCPU in the multiple CPU system since the CPU has no serial port.
- ^{*9} Use a CC-Link IE Controller Network module with the upper five digits of the serial No. later than 09042.
- ^{*10} Use a CPU with the upper five digits of the serial No. later than 12012.
- ^{*11} When using the bus extension connector box (A9GT-QCNE), attach it to the extension base unit. (Connecting it to the main base unit is not allowed.)
- ^{*12} Use a CPU and a CC-Link IE Controller Network module with the upper five digits of the serial No. later than 09042.
- ^{*13} Use a CPU of function version B or later or a CC-Link IE Controller Network module of function version D or later.
- ^{*14} In the multiple CPU system, use a CPU or a MELSECNET/H network module of function version B or later.
- ^{*15} GT2103-PMBD and GT2103-PMBLS cannot be connected to Q00J, Q00, or Q01CPU.
- ^{*16} When in multiple CPU system configuration, use a CPU of function version B or later.
- ^{*17} Use a CPU with the upper five digits of the serial No. later than 09012.
- When the total number of stations in a network is 65 or more, use a CC-Link IE Controller Network module with the upper five digits of the serial No. 09042 or later.
- ^{*18} In the Ethernet, MELSECNET/H, or MELSECNET/10 connection, to monitor a QCPU in the multiple CPU system, always use a network module of function version B or later.
- ^{*19} Use a CC-Link IE Controller Network module of function version D or later.
- ^{*20} The supported version of the main units varies depending on the Ethernet module to be used as shown below.

Ethernet module [*]	CPU		
	FX3U(C)	FX3G(C)	FX3S
FX3U-ENET-L	Ver. 2.21 or later	FX3U-ENET-L is not supported.	
FX3U-ENET-ADP [*]	Ver. 3.10 or later	Ver. 2.00 or later	Ver. 1.00 or later

^{*} To connect to a FX3SCPU, use a FX3U-ENET-ADP Ver.1.20 or later.

- ^{*21} Use a CPU with the upper five digits of the serial No. later than 10042 or a CC-Link IE Controller Network module of function version D or later.

- ^{*22} Use a CPU with the upper five digits of the serial No. later than 10032 or a CC-Link IE Controller Network module of function version D or later.
- ^{*23} Use a CPU with the upper five digits of the serial No. later than 13042.
- ^{*24} When using a LJ71E71-100, use a CPU with the upper five digits of the serial No. later than 14112.
- ^{*25} Use a LJ71E71-100 since the CPU has no built-in Ethernet port.
- ^{*26} Use a CPU with the upper five digits of the serial No. later than 13012.
- ^{*27} The adapter L6ADP-R2 or L6ADP-R4 is required. When using the L6ADP-R4 adapter, use a CPU with the upper five digits of the serial No. later than 15102.
- ^{*28} Use the serial port of a serial communication module controlled by another CPU on the multiple CPU system.
- ^{*29} Use a CPU with the upper five digits of the serial No. later than 12042.
- ^{*30} GT2103-PMBD and GT2103-PMBLS cannot be connected to the MELSEC-WS Series.
- ^{*31} In Ethernet connection, serial communication connection, CC-Link (intelligent device station) connection, CC-Link (via G4) connection, MELSECNET/H connection, or MELSECNET/10 connection, use main modules with the following product numbers.
- Q172CPU: Product number N***** or later
- Q173CPU: Product number M***** or later
- ^{*32} When using SV13, SV22, or SV43, use the motion CPU on which any of the following main OS software version is installed.
- Ethernet connection, serial communication connection, CC-Link (intelligent device station) connection, CC-Link (via G4) connection, MELSECNET/H connection, MELSECNET/10 connection
 - SW6RN-SV13QC: 00H or later
 - SW6RN-SV22QC: 00H or later
 - SW6RN-SV43QC: 00B or later
 - Direct CPU connection, bus connection, multi-drop connection
 - SW6RN-SV13QC: 00E or later
 - SW6RN-SV22QC: 00E or later
 - SW6RN-SV43QC: 00B or later
- ^{*33} In direct CPU connection, bus connection, or multi-drop connection, use main modules with the following product numbers.
- Q172CPU: Product number K***** or later
- Q173CPU: Product number J***** or later
- PERIPHERAL I/F can be used.
- ^{*34} When using SV43, use the CPU on which any of the following main OS software version is installed.
- SW7DNC-SV43QC: 00F or later
- ^{*35} Only the PLC CPU area (CPU No.1) can be monitored.
- ^{*36} Use the built-in Ethernet port since RJ71EN71 is not supported.
- ^{*37} Only cyclic transmission can be used.
- ^{*38} Mount a safety function module R6SFM next to the RnSFCPU on the base unit. The RnSFCPU and the safety function module R6SFM must have the same pair version. If their pair versions differ, the RnSFCPU does not operate.
- ^{*39} Up to 32 axes are supported by GT21. R standard placement method is not supported.
- ^{*40} Mount a redundant function module R6RFM next to the RnPCPU on the base unit when building a redundant system.
- ^{*41} GT2510-WXTBD, GT2510-WXTSD, GT2507-WTBD, GT2507-WTSD, GT2507-TTSD, GT2505-VTBD, GT2505HS-VTBD, and GT2505HS-VTBD are not supported.
- ^{*42} Mount the SIL2 function module R6PSFM and redundant function module R6RFM next to the RnPSFCPU on the base unit.

Specifications

Connectable model list (GOT2000/GOT SIMPLE)

■ Modules usable when connected with Mitsubishi Electric programmable controllers/C Controller modules/Motion controllers

● Ethernet connection

CPU series	Ethernet module
MELSEC iQ-R Series C Controller module (MELSEC iQ-R Series) Motion controller (MELSEC iQ-R Series) CC-Link IE Field Network head module (MELSEC iQ-R Series)	RJ71EN71 *4 RJ71GN11-T2 *5 *6 *7 NEW
MELSEC-Q Series (Q mode) MELSEC-QS Series C Controller module (MELSEC-Q Series) Motion controller (MELSEC-Q Series)	QJ71E71-100 QJ71E71-B5 QJ71E71-B2 QJ71E71
MELSEC-L Series	LJ71E71-100 *1
MELSEC-F Series	FX3U-ENET-L *2 FX3U-ENET-ADP *2 *3

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

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

*3 To connect to a FX3SCPU, use a FX3U-ENET-ADP Ver.1.20 or later.

*4 Use firmware version 12 or higher when building a redundant system.

*5 Usable with MELSEC iQ-R Series programmable controller CPUs only.

*6 To use R00CPU, R01CPU, or R02CPU, use the firmware version 11 or later.

*7 To use programmable controller CPU (excluding R00CPU, R01CPU, R02CPU), use the firmware version 43 or later.

● Serial communication connection

CPU series	Serial communication module *1		
	Model name	CH1	CH2
MELSEC iQ-R Series C Controller module (MELSEC iQ-R Series) Motion controller (MELSEC iQ-R Series) CC-Link IE Field Network head module (MELSEC iQ-R Series)	RJ71C24 *4	RS-232	RS-422/485
	RJ71C24-R2 *4	RS-232	RS-232
	RJ71C24-R4 *4	RS-422/485	RS-422/485
	QJ71C24 *2	RS-232	RS-422/485
MELSEC-Q Series (Q mode) C Controller module (MELSEC-Q Series) Motion controller (MELSEC-Q Series) MELSECNET/H remote I/O station	QJ71C24-R2 *2	RS-232	RS-232
	QJ71C24N	RS-232	RS-422/485
	QJ71C24N-R2	RS-232	RS-232
	QJ71C24N-R4	RS-422/485	RS-422/485
	QJ71CMO *3	Modular connector	RS-232
	QJ71CMON *3	Modular connector	RS-232
	LJ71C24	RS-232	RS-422/485
	LJ71C24-R2	RS-232	RS-232
MELSEC-L Series CC-Link IE Field Network head module (MELSEC-L Series)			

*1 Communication cannot be performed with RS-485.

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

*3 Only CH2 can be connected.

*4 Use firmware version 07 or higher when building a redundant system.

● CC-Link IE TSN connection **NEW**

CPU series	CC-Link IE TSN module
MELSEC iQ-R Series	RJ71GN11-T2 *1 *2 *3

*1 Usable with MELSEC iQ-R Series programmable controller CPUs only.

*2 To use R00CPU, R01CPU, or R02CPU, use the firmware version 11 or later.

*3 To use programmable controller CPU (excluding R00CPU, R01CPU, R02CPU), use the firmware version 43 or later.

● CC-Link IE Controller Network connection

CPU series	CC-Link IE Controller Network module
MELSEC iQ-R Series C Controller module (MELSEC iQ-R Series) Motion controller (MELSEC iQ-R Series)	RJ71GP21-SX *2
MELSEC-Q Series (Q mode) MELSEC-QS Series C Controller module (MELSEC-Q Series) Motion controller (MELSEC-Q Series)	QJ71GP21-SX *1 QJ71GP21S-SX *1

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

*2 Use firmware version 12 or higher when building a redundant system.

● CC-Link IE Field Network connection

CPU series	CC-Link IE Field Network module
MELSEC iQ-R Series C Controller module (MELSEC iQ-R Series) Motion controller (MELSEC iQ-R Series)	RJ71GF11-T2 *1 RJ71EN71 RD77GF4 RD77GF8 RD77GF16 RD77GF32
MELSEC-Q Series (Q mode) C Controller module (MELSEC-Q Series) Motion controller (MELSEC-Q Series)	QJ71GF11-T2 QD77GF4 NEW QD77GF8 NEW QD77GF16
MELSEC-QS Series	QS0J71GF11-T2
MELSEC-L Series	LJ71GF11-T2
MELSEC iQ-F Series	FX5-CC-LIEF

*1 Use firmware version 12 or higher when building a redundant system.

● CC-Link (intelligent device station) connection

CPU series	CC-Link module
MELSEC iQ-R Series C Controller module (MELSEC iQ-R Series) Motion controller (MELSEC iQ-R Series) CC-Link IE Field Network head module (MELSEC iQ-R Series)	RJ61BT11 *2
MELSEC-Q Series (Q mode) C Controller module (MELSEC-Q Series) Motion controller (MELSEC-Q Series)	QJ61BT11 QJ61BT11N
MELSEC-L Series	LJ61BT11
MELSEC iQ-F Series	FX3U-16CCL-M *1 FX5-CCL-MS
MELSEC-F Series	FX3U-16CCL-M

*1 When using an FX3U-16CCL-M with the MELSEC iQ-F Series, bus conversion module (FX5-CNV-BUS or FX5-CNV-BUSC) is required.

*2 Use firmware version 04 or higher when building a redundant system.

Specifications

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

● CC-Link (via G4) connection

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

● MELSECNET/H connection

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

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

● MELSECNET/10 connection

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

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

◆ Mitsubishi Electric industrial computers **NEW**

Series	Model name	GT27/GT25/GT23/GT21/GS21 *1											
		Connection type											
		Ethernet connection	Direct CPU connection	Serial communication connection	CC-Link IE TSN connection	CC-Link IE Controller Network connection	CC-Link IE Field Network connection	CC-Link connection (intelligent device station)	CC-Link connection (via G4)	Bus connection	MELSECNET/H connection	MELSECNET/10 connection	Multi-drop connection
MELIPC	MI5122-VW	○	×	×	×	×	○	×	×	×	×	×	×

*1 GT23, GT21, and GS21 support connection using Ethernet connection.

◆ Mitsubishi Electric inverters

Series		GT27/GT25/GT23/GT21/GS21 *1			
		RS-485	RS-232	Multi-drop connection	Ethernet
FR-D700 Series	FR-D7□□	○	×	×	×
	FR-D7□□S	○	×	×	×
	FR-D7□□W	○	×	×	×
FR-F700PJ Series	FR-F7□□PJ (F)	○	×	×	×
	FR-E7□□	○	×	×	×
	FR-E7□□S	○	×	×	×
FR-E700 Series	FR-E7□□W	○	×	×	×
	FR-E7□□-NE*2,3	×	×	×	○ *4
	FR-F7□□	○	×	×	×
FR-F700P Series	FR-F7□□P	○	×	×	×
	FR-A8□□	○	×	×	×
	FR-A8□□2	○	×	×	×
FR-A800 Series	FR-A8□□6	○	×	×	×
	FR-A8□□-GF	○	×	×	×
	FR-A8□□2-GF	○	×	×	×
FR-A800 Plus Series	FR-A8□□-CRN	○	×	×	×
	FR-A8□□-E-CRN	○	×	×	○
	FR-A8□□2-E-CRN	○	×	×	○
FR-F800 Series	FR-A8□□-R2R	○	×	×	×
	FR-A8□□2-R2R	○	×	×	×
	FR-A8□□-E-R2R	○	×	×	○
FR-B Series	FR-F8□□	○	×	×	×
	FR-F8□□2	○	×	×	×
	FR-F8□□-E	○	×	×	○
FR-B3 Series	FR-F8□□2-E	○	×	×	○
	FR-B-□□□□	○	×	×	×
	FR-B3- (N) (H) □□□□	○	×	×	×
MELIPM Series	MD-CX522-□□K	○	×	×	×
	MD-CX522-□□K-A0	○	×	×	×

*1 Except GT2103-PMBDS2 and GT2103-PMBLS.

*2 Use FR-E700-NE with SERIAL (serial No.) **89***** or later.

*3 Use FR-E700-SC-NNE or FR-E700-SC-ENE with SERIAL (serial No.) **89***** or later.

*4 Supports UDP only.

◆ Mitsubishi Electric servo amplifiers (general-purpose)

Series	Model name	GT27/GT25/GT23/GT21/GS21 *1			
		RS-422	RS-232	Multi-drop connection	Ethernet
MELSERVO-J4 Series	MR-J4-□□	○	○ *2	×	×
	MR-J4-□□A-RJ	○	○ *2	×	×
MELSERVO-J3 Series	MR-J3-□□	○	○ *2	×	×
	MR-J3-□□T	○	○ *2	×	×
MELSERVO-J2-Super Series	MR-J2S-□□	○	○	×	×
	MR-J2S-□□CP	○	○	×	×
MELSERVO-J2M Series	MR-J2S-□□CL	○	○	×	×
	MR-J2M-P8A	○	○	×	×
MELSERVO-JE Series	MR-J2M-□□DU	○	○	×	×
	MR-JE-□□	○	×	×	×
	MR-JE-□□C NEW	×	×	×	○

*1 Except GT2103-PMBLS.

*2 RS-422/232 interface converter or RS-422/232 conversion cable is required.

Specifications

Connectable model list (GOT2000/GOT SIMPLE)

◆ Mitsubishi Electric servo amplifiers (SSCNET III/H)

Servo amplifiers (SSCNET III/H) are connected to the GOT through a motion controller or simple motion module.

Series	Model name	Motion controller or programmable controller		GT27/GT25/GT23/GT21/GS21 ^{*6}											
				Connection type											
		Simple motion module	CPU type	Ethernet connection	Direct CPU connection	Serial communication connection	CC-Link IE TSN connection	CC-Link IE Controller Network connection	CC-Link IE Field Network connection	CC-Link connection (intelligent device station) ^{*1}	CC-Link connection (via G4)	Bus connection	MELSECNET/H connection	MELSECNET/10 connection ^{*2}	Multi-drop connection
MELSERVO-J4 Series	MR-J4-□B MR-J4-□B-RJ MR-J4W2-□B MR-J4W3-□B	—	RnMCPU	○	×	○	×	○	○	○	×	×	×	×	×
			Q17nDSCPU	○	○	○	×	○	×	○	○	○	○	○	×
			Q17MnSCPU	○	○	○	×	○	○	○	○	○	○	○	×
		RD77MS	RnCPU	○	×	○	○	○	○	○	×	×	×	×	×
		QD77MS ^{*3}	QnCPU	○	○	○	×	○	○	○	○	○	○	○	×
		LD77MS	LnCPU	○	○	○	×	×	○	○	○	×	×	×	×
		FX5-40SSC-S	FX5CPU	○	×	×	×	×	×	○	×	×	×	×	×
		FX5-80SSC-S	FX5CPU	○	×	×	×	×	×	○	×	×	×	×	×
		RD77MS ^{*4}	RnCPU	○	×	○	○	○	○	○	×	×	×	×	×
		QD77MS ^{*5}	QnCPU	○	○	○	×	○	○	○	○	○	○	○	×
MELSERVO-JE Series	MR-JE-□B	LD77MS ^{*5}	LnCPU	○	○	○	×	×	○	○	○	×	×	×	×
		FX5-40SSC-S	FX5CPU	○	○	×	×	×	×	○	×	×	×	×	×
		FX5-80SSC-S	FX5CPU	○	○	×	×	×	×	○	×	×	×	×	×
				○	○	×	×	×	×	○	×	×	×	×	×
				○	○	×	×	×	×	○	×	×	×	×	×

^{*1} Connect the GOT as a CC-Link intelligent device station.

^{*2} Only supports the case where MELSECNET/H is used in the MELSECNET/10 mode. Connection to the remote I/O network is not allowed.

^{*3} Use a module with the upper five digits of the serial No. later than 15041.

^{*4} Use a module with the firmware version 3 or later.

^{*5} Use a module with the upper five digits of the serial No. later than 16102.

^{*6} GT23, GT21, and GS21 support connection using Ethernet connection, direct CPU connection, serial communication connection, or CC-Link connection (via G4).

◆ Mitsubishi Electric servo amplifiers (CC-Link IE Field Network)

Servo amplifiers (CC-Link IE Field Network) are connected to the GOT through a simple motion module or a master/local module.

Series	Model name	Motion controller or programmable controller		GT27/GT25/GT23/GT21/GS21 ^{*6} ^{*7}											
				Connection type											
		Simple motion module, or master/local module	CPU type	Ethernet connection	Direct CPU connection	Serial communication connection	CC-Link IE TSN connection	CC-Link IE Controller Network connection	CC-Link IE Field Network connection ^{*8}	CC-Link connection (intelligent device station) ^{*1}	CC-Link connection (via G4)	Bus connection	MELSECNET/H connection	MELSECNET/10 connection ^{*2}	Multi-drop connection
MELSERVO-J4 Series	MR-J4-□GF MR-J4-□GF-RJ	RD77GF4 ^{*3}	RnCPU	○	×	○	○	○	○	×	×	×	×	×	×
		RD77GF8 ^{*3}	RnCPU	○	×	○	○	○	○	×	×	×	×	×	×
		RD77GF16 ^{*3}	RnCPU	○	×	○	○	○	○	×	×	×	×	×	×
		RD77GF32	RnCPU	○	×	○	○	○	○	×	×	×	×	×	×
		QD77GF4 ^{*4}	QnCPU	○	○	○	×	○	○	×	×	○	○	○	×
		QD77GF8 ^{*4}	QnCPU	○	○	○	×	○	○	×	×	○	○	○	×
		QD77GF16 ^{*4}	QnCPU	○	○	○	×	○	○	×	×	○	○	○	×
		RJ71EN71	RnCPU	○	×	○	○	○	○	×	×	×	×	×	×
		RJ71GF11-T2	RnCPU	○	×	○	○	○	○	×	×	×	×	×	×
		QJ71GF11-T2 ^{*5}	QnCPU	○	○	○	×	○	○	×	×	○	○	○	×
		QJ71GF11-T2 ^{*5}	QnCPU	○	○	○	×	○	○	×	×	○	○	○	×
		LD77GF11-T2 ^{*5}	LnCPU	○	×	○	×	×	○	×	×	×	×	×	×
				○	×	○	×	×	○	×	×	×	×	×	×
				○	×	○	×	×	○	×	×	×	×	×	×

^{*1} Connect the GOT as a CC-Link intelligent device station.

^{*2} Only supports the case where MELSECNET/H is used in the MELSECNET/10 mode. Connection to the remote I/O network is not allowed.

^{*3} To use the motion mode, use a module with the firmware version 1 or later; to use the I/O mode, use a module with the firmware version 2 or later.

^{*4} To use the I/O mode, use a module with the upper five digits of the serial No. later than 18022.

^{*5} Use a module with the upper five digits of the serial No. later than 14102. Motion mode is not supported.

^{*6} GT23 supports connection using Ethernet connection, direct CPU connection, serial communication connection, or CC-Link connection (via G4).

^{*7} GT21 and GS21 support connection using Ethernet connection.

^{*8} Not connectable from the GOT in the same network.

◆ Mitsubishi Electric robot controllers

Series	Controller name	GT27/GT25/GT23/GT21/GS21 ^{*5}											
		Connection type											
		Ethernet connection	Direct CPU connection	Serial communication connection	CC-Link IE TSN connection	CC-Link IE Controller Network connection	CC-Link IE Field Network connection	CC-Link connection (intelligent device station) ^{*1}	CC-Link connection (via G4)	Bus connection	MELSECNET/H connection	MELSECNET/10 connection ^{*2}	Multi-drop connection
F Series	CR750-Q (Q172DRCPU)	○ ^{*3}	○ ^{*4}	○	×	○	○	○	○	○	○	○	×
	CR751-Q (Q172DRCPU)	○ ^{*3}	○ ^{*4}	○	×	○	○	○	○	○	○	○	×
	CR750-D	○	×	×	×	×	×	×	×	×	×	×	×
	CR751-D	○	×	×	×	×	×	×	×	×	×	×	×
SQ Series	CRnQ-700 (Q172DRCPU)	○ ^{*3}	○ ^{*4}	○	×	○	○	○	○	○	○	○	×
SD Series	CRnD-700	○	×	×	×	×	×	×	×	×	×	×	×
FR Series	CR800-D	○ ^{*6}	×	×	×	×	×	×	×	×	×	×	×
	CR800-R (R16RTCPU)	○	×	○	×	○	○	○	×	×	×	×	×
	CR800-Q (Q172DSRCPU) NEW	○	○ ^{*4}	○	×	○	○	○	○	○	○	○	×

^{*1} Connect the GOT as a CC-Link intelligent device station.

^{*2} Only supports the case where MELSECNET/H is used in the MELSECNET/10 mode. Connection to the remote I/O network is not allowed.

^{*3} The Display I/F of CRnQ-700, CR750/751-Q cannot be used. Ethernet connections can be established only via the Ethernet module (QJ71E71) or the built-in Ethernet port in the multiple CPU system (QnUDE).

^{*4} Access via the serial port (RS-232) of QCPU in the multiple CPU system since CRnQ-700, CR750/751-Q, and CR800-Q have no serial ports.

^{*5} GT23, GT21, and GS21 support connection using Ethernet connection, direct CPU connection, serial communication connection, or CC-Link connection (via G4).

^{*6} Ethernet connections can be established to the built-in LAN port of CR800-D.

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

◆ Mitsubishi Electric CNCs

Series	GT27/GT25/GT23 ^{*6}											
	Connection type											
	Ethernet connection	Direct CPU connection	Serial communication connection	CC-Link IE TSN connection	CC-Link IE Controller Network connection	CC-Link IE Field Network connection	CC-Link connection (intelligent device station) ^{*1}	CC-Link connection (via G4)	Bus connection	MELSECNET/H connection	MELSECNET/10 connection ^{*2}	Multi-drop connection
CNC C80 (R16NCCPU-S1) ^{*7}	○	×	○	×	○	○	○	×	×	×	×	×
CNC C70 (Q173NCCPU) ^{*3}	○	○ ^{*4}	○	×	○	○	○	○	○	○	○	×
CNC M700VS	×	×	×	×	×	×	○ ^{*5}	×	×	×	×	×
CNC M70V	×	×	×	×	×	×	○ ^{*5}	×	×	×	×	×
CNC M800/M80 NEW	×	×	×	×	×	×	○ ^{*8,9}	×	×	×	×	×

^{*1} Connect the GOT as a CC-Link intelligent device station.

^{*2} Includes the connection where MELSECNET/H is used in the MELSECNET/10 mode. Connection to the remote I/O network is not allowed.

^{*3} When using a CNC C70, the CNC monitor function, the CNC data I/O function, and the CNC machining program edit function can be used in bus connection and Ethernet connection (Display I/F connection only). The above functions are supported by the GOT models of which resolution is SVGA or higher.

^{*4} Access via the serial port (RS-232) of QCPU in the multiple CPU system since CNC C70 has no serial port.

^{*5} Only cyclic transmission can be used. (CC-Link unit FCU7-HN746 can be used)

^{*6} GT23 supports connection using Ethernet connection, direct CPU connection, serial communication connection, or CC-Link connection (via G4).

^{*7} When using a CNC C80, the CNC monitor2 function can be used in Ethernet connection (Display I/F connection only).

^{*8} Only cyclic transmission can be used. (CC-Link unit FCU8-EX561(WN561) can be used)

^{*9} When using M800S/M80, connect FCU8-EX561(WN561) to the relay module for communication extension (FCU8-EX702, or FCU8-EX703).

◆ Mitsubishi Electric power monitoring products

Series	Model name	GT27/GT25/GT23/GT21/GS21 ^{*2}			
		RS-485	RS-422	RS-232	Multi-drop connection
Energy measuring unit EcoMonitorLight	EMU4-BD1-MB	○ (2-wire type ^{*1})	×	×	×
	EMU4-HD1-MB	○ (2-wire type ^{*1})	×	×	×
Energy measuring unit EcoMonitorPlus NEW	EMU4-BM1-MB	○ (2-wire type ^{*1})	×	×	×
	EMU4-HM1-MB	○ (2-wire type ^{*1})	×	×	×
	EMU4-LG1-MB	○ (2-wire type ^{*1})	×	×	×
Electronic multi-measuring instrument	ME110SSR-MB	○ (2-wire type ^{*1})	×	×	×
	ME96NSR-MB	(2-wire type ^{*1})	×	×	×

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

^{*2} Except GT2103-PMBDS2 and GT2103-PMBLS.

■ Applicable GOT models for each connection type

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

Model	Connection type	Applicable model	
GT27/GT25	RS-232	All models (Built-in interfaces of the GOT can be used.)	
	RS-422/485		
	Ethernet		
GT23	CC-Link (via G4)	GT27 all models GT25 models excluding some models (By mounting communication units on the GOT, bus connection, network connection, and others can be used. No communication units can be mounted on GT2510-WXTBD, GT2510-WXTSD, GT2507-WTBD, GT2507-WTSD, GT2507-TTBD, GT2505-VTBD, GT2506HS-VTBD, and GT2506HS-VTSD.)	
	Other than above		
GT21/GS21	RS-232	All models (Built-in interfaces of the GOT can be used.)	
	RS-422/485		
	Ethernet		
	CC-Link (via G4)		

^{*1} Only connection with MELSEC iQ-F Series and MELSEC-F Series is supported.

^{*2} Only RS-422 is supported.

Specifications

Connectable model list (GOT2000/GOT SIMPLE)

◆ Non-Mitsubishi programmable controllers/Motion controllers/Safety controllers

Manufacturer		Model name	GT27/GT25/GT23/GT21/GS21 ^{*1}					
			Ethernet connection	Direct CPU connection		Serial communication connection		EtherNet/IP connection
				RS-422	RS-232	RS-422	RS-232	
OMRON Corporation	SYSMAC CJ1	CJ1H CJ1G	○	×	○	○ ^{*4}		×
	SYSMAC CJ2	CJ2H CJ2M	○	×	○ ^{*5}	○ ^{*4}		×
	SYSMAC CPM	CPM1	×	×	×	×	○	×
		CPM2A	×	×	○	×	○	×
	SYSMAC CQM1	CPM2C	×	×	×	×	○	×
		CQM1	×	×	○ ^{*8}	×	×	×
	SYSMAC CQM1H	CQM1H	×	×	○	×	×	×
	SYSMAC CP1	CP1H	×	×	×	○	○	×
		CP1E (N type)	×	×	○ ^{*6}	○ ^{*6/7}	○ ^{*6/7}	×
	SYSMAC CS1	CS1H CS1G	○	×	○	○	○	×
	SYSMAC CVM1/CV ^{*9}	CVM1-CPU11-V□ CVM1-CPU01-V□ CV500-CPU01-V□	×	○ ^{*4}		×	×	×
	SYSMAC C200HS	C200HS	×	×	×	○	○	×
	SYSMAC C200H	C200H	×	×	×		○	×
	SYSMAC C1000H	C1000H	×	×	×	○ ^{*4}		×
	SYSMAC C2000H	C2000H	×	×	×	○ ^{*4}		×
	SYSMAC α	C200HX C200HG	×	×	○	○	○	×
	NJ	NJ501-□□□□ NJ101-□□□□	×	×	×	×	×	○
	NX	NX1P2-□□□□□□ NX102-□□□□	×	×	×	×	×	○
		NEW						
KEYENCE CORPORATION	KV-7000	KV-7300	○	○	○	○	○	×
		KV-7500	○	×	×	○	○	×
	KV-5000	KV-5000	○	×	×	○	○	×
	KV-3000	KV-3000	○	×	○	○	○	×
	KV-1000	KV-1000	○	×	○	○	○	×
	KV-700	KV-700	○	×	○	○	○	×
		KV-N14□□	×	×	○	○	○	×
	KV Nano	KV-N24□□ KV-N60□□	○	×	○	○	○	×
KOYO ELECTRONICS INDUSTRIES CO., LTD. ^{*2}	DirectLOGIC 05 Series	D0-05AA D0-05AD D0-05AR D0-05DA	×	×	○	○	○	×
	DirectLOGIC 06 Series	D0-06DD1 D0-06DD2 D0-06DR D0-06DA D0-06AR	×	○	○	○	○	×
	DirectLOGIC 205 Series	D2-240 D2-250-1	×	×	○	○	○	×
	KOSTAC SU Series	SU-5E SU-6B	×	○	○	○	○	×
	PZ Series	PZ3	×	○	○	×	×	×
	Sharp Corporation ^{*2}	JW-21CU JW-31CUH	×	×	×	○	×	×
		JW-22CU JW-32CUH JW-33CUH	×	○ ^{*4}		○	×	×
		Z-512J	×	○ ^{*4}		×	×	×
JTEKT Corporation ^{*2}	TOYOPUC Series	PC2JC-CPU PC2J16P-CPU	×	×	○ ^{*10}	○	○ ^{*10}	×
		PC2J-CPU PC2JS-CPU	×	×	×	○	○ ^{*10}	×
		PC3JG-P-CPU	×	×	○ ^{*10}	○	○ ^{*10}	×
		PC3JD-CPU	×	×	○ ^{*10}	○	○ ^{*10}	×
		PC3J-CPU	×	○	○ ^{*10}	○	○ ^{*10}	×
		PC3JL-CPU	×	○	○ ^{*10}	○	○ ^{*10}	×
TOSHIBA CORPORATION ^{*2}	PROSEC T Series	T2 (PU224) T2E T3	×	○ ^{*4}	×	×	×	×
	PROSEC V Series	model 2000 (S2E) model 2000 (S2T)	×	○	×	×	×	×
	Unified Controller nv Series	PUM11 PUM12	○	×	×	×	×	×
		NEW PUM14 NEW	○	×	×	×	×	×
	TOSHIBA MACHINE CO., LTD.	TC3-01 TC3-02 TC5-02	×	×	○ ^{*20}	×	×	×
HITACHI Industrial Equipment Systems Co., Ltd. ^{*2}	Large-sized H Series	H-300 H-302 H-700 H-702	×	×	○	○ ^{*4}		×
		H-200 H-250 H-252	×	×	○	×	×	×
		H-40DR H-64DR H-20DR H-20DT H-28DR	×	×	○	×	×	×
	H Series board type	H-28DT H-40DR H-64DR H-64DT	×	×	○	×	×	×
	EH-150 Series	EH-CPU104 EH-CPU208 EH-CPU308	×	×	○	×	×	×
	Hitachi Ltd. ^{*2}	LQP510 LQP520	×	×	×	○	○	×
		LQP000 LQP010 LQP011	×	×	×	○	○	×
		LQP120 LQP800	×	×	×	○	○	×
	FUJII ELECTRIC CO., LTD. ^{*2}	F55 F120S F140S	×	×	×	○	○	×
		SPH200 SPH2000	○	×	○	○	○	×

8 Specifications

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Manufacturer		Model name		Ethernet connection	GT27/GT25/GT23/GT21/GS21 ^{*1}				
					Direct CPU connection		Serial communication connection		EtherNet/IP connection
					RS-422	RS-232	RS-422	RS-232	
Panasonic Industrial Devices SUNX Co., Ltd.		FP0R FP0-C16CT FP0-C32CT	FP1-C24C FP1-C40C	×	×	○	×	×	×
		FP2 FP2SH FP3	FP5 FP10 (S) FP10SH	×	×	○	×	○	×
		FP-M (C20TC) FP-M (C32TC)	FP Σ	×	×	○	×	×	×
		FP-X		×	×	○	○	○	×
		FP7		×	×	○	○	○	×
YASKAWA Electric Corporation		GL120	GL130	×	×	○ ^{*2}	○ ^{*2}	×	×
		GL60S GL60H	GL70H	×	×	×	○ ^{*2}	○ ^{*2}	×
		CP-9200SH		○	×	×	×	○	×
		CP-9300MS		×	×	○ ^{*2}	×	×	×
		MP920		○	×	○	○	○	×
		MP930		×	×	○	×	×	×
		MP940		×	○	○	×	×	×
		PROGIC-8		×	×	○ ^{*2}	×	×	×
		CP-9200 (H)		×	×	○ ^{*2}	×	×	×
		CP-312		○	×	×	×	○	×
		CP-317		○	×	×	×	○	×
		MP2200 MP2300	MP2300S	○	×	×	○	○	×
		MP3200	MP3300	○	×	×	×	×	×
		Yokogawa Electric Corporation ^{*2}	FA500	FA500		×	×	×	○ ^{*4}
FA-M3	F3SP05		F3SP08	○	×	○	○	○	×
	F3SP10			×	×	×	×		×
	F3SP20		F3SP30	×	×	×	○	○	×
	F3FP36			○	×	×	○	○	×
	F3SP21		F3SP38						
	F3SP25		F3SP53	○	×	○	○	○	×
	F3SP28		F3SP58						
F3SP35	F3SP59								
F3SP66	F3SP67		○	×	○	○	○	×	
F3SP22-0S			×	×	○	×	×	×	
FA-M3V	F3SP71-4N		○	×	×	×	×	×	
	F3SP71-4S		○	×	×	○	○	×	
	F3SP76-7S		○	×	×	×	○	×	
STARDOM	NFCP100	NFJT100	○ ^{*14}	×	○	×	×	×	
Allen-Bradley (Rockwell Automation, Inc.)	SLC500 Series ^{*11}	SLC500-20	SLC5/01		×	○ ^{*2}	×	×	×
		SLC500-30	SLC5/02						
		SLC500-40							
		SLC5/03	SLC5/05	×	×	○	×	×	×
		SLC5/04							
	MicroLogix1000 Series (digital CPU) ^{*11 *12 *13}	1761-L10BWA	1761-L32AAA						
		1761-L10BWB	1761-L32AWA						
		1761-L16AWA	1761-L32BWA	○ ^{*15}	×	○	×	×	×
		1761-L16BWA	1761-L32BWB						
		1761-L16BWB	1761-L32BBB						
	1761-L16BBB								
	MicroLogix1000 Series (analog CPU) ^{*11}	1761-L20AWA-5A	1761-L20BWB-5A	○ ^{*15}	×	○	×	×	×
	1761-L20BWA-5A								
	MicroLogix1100 Series ^{*11}	1763-L16BWA		○ ^{*15}	×	○	×	×	×
	MicroLogix1200 Series ^{*11}	1762-L24BWA		○ ^{*15}	×	○	×	×	×
	MicroLogix1400 Series ^{*11}	1766-L32AWA		○ ^{*15}	×	○	×	×	×
	MicroLogix1500 Series ^{*11}	1764-LSP	1764-LRP	○ ^{*15}	×	○	×	×	×
ControlLogix Series	1756-L	1756-L1M2		○ ^{*15}	×	○ ^{*2}	×	×	○ ^{*21}
	1756-L1M1	1756-L1M3							
	1756-L55M12	1756-L55M22							
	1756-L55M13	1756-L55M23	○ ^{*15}	×	○ ^{*2}	×	×	○ ^{*21}	
	1756-L55M14	1756-L55M24							
	1756-L55M16								
	1756-L61	1756-L63		○ ^{*15}	×	○ ^{*2}	×	×	○ ^{*21}
	1756-L62	1756-L64		○ ^{*15}	×	×	×	×	○ ^{*21}
	1756-L72S		○ ^{*15}	×	×	×	×	×	○ ^{*21}
	1756-L71	1756-L74	○ ^{*15}	×	×	×	×	×	○ ^{*21}
1756-L72	1756-L75	○ ^{*15}	×	×	×	×	×	○ ^{*21}	
1756-L73									
1756-L81E	1756-L84E	○ ^{*15}	×	×	×	×	×	○ ^{*21}	
1756-L82E	1756-L85E								
1756-L83E									
CompactLogix Series	1769-L31			×	×	○ ^{*2}	×	×	×
	1769-L32C								
	1769-L35CR								
	1769-L32E		○ ^{*15}	×	○ ^{*2}	×	×	○ ^{*21}	
	1769-L35E								
FlexLogix Series ^{*2}	1794-L33		×	×	○	×	×	○ ^{*19}	
	1794-L34								

Specifications

Connectable model list (GOT2000/GOT SIMPLE)

◆ Non-Mitsubishi programmable controllers/Motion controllers/Safety controllers

Manufacturer		Model name	GT27/GT25/GT23/GT21/GS21 *1					
			Ethernet connection	Direct CPU connection		Serial communication connection		EtherNet/IP connection
				RS-422	RS-232	RS-422	RS-232	
GE Intelligent Platforms, Inc. *2	Series 90-30	IC693CPU311 IC693CPU313 IC693CPU323	×	×	×	○	○	×
		IC693CPU350 IC693CPU360 IC693CPU363	×	○	×	○	○	×
		IC693CPU366 IC693CPU367 IC693CPU374						
	Series 90-70	IC697CGR772 IC697CGR935 IC697CPM790 IC697CPU731 IC697CPU780 IC697CPU788 IC697CPU789	×	×	×	○	○	×
		IC697CPX772 IC697CPX782 IC697CPX928 IC697CPX935						
	VersaMax Micro	IC200UAA003	×	○	○	×	×	×
		IC200UAR014 IC200UDD104 IC200UDD112	×	×	○	×	×	×
		IC200UAA007 IC200UAL004 IC200UAL005 IC200UAL006 IC200UAR028 IC200UDD064 IC200UDD164 IC200UDD110	×	○	○	×	×	×
		IC200UDD120 IC200UDD212 IC200UDR005 IC200UDR006 IC200UDR010 IC200UDR064 IC200UDR164						
LS Industrial Systems Co., Ltd.	K300S	K4P-15AS	×	×	×	○	○	×
	K200S	K3P-07□S	×	×	×	○	○	×
	K120S	K7M-D□□□□U	×	×	○	○	○	×
	K80S	K7M-D□□□□S (VDC)	×	×	○	○	○	×
Mitsubishi Electric India Pvt. Ltd.	Nexgenie 2000 PLC	P2210 P2211	×	○	○	×	×	×
	Nexgenie 1000 PLC	NG14RL NG14RN NG16ADL NG16ADN	×	○	○	×	×	×
Schneider Electric SA		Twido Series	○ *14	×	×	×	×	×
		Modicon Premium Series	○ *14	×	×	×	×	×
		Modicon Quantum Series	○ *14	×	×	×	×	×
SICK AG	Flexi Soft Series	FX3-CPU00000 FX3-CPU130002	×	×	○	×	×	×
Siemens AG		SIMATIC S7-200 Series	○ *17	×	○	×	×	×
		SIMATIC S7-300 Series	○ *19	×	○	×	×	×
		SIMATIC S7-400 Series	○ *19	×	○	×	×	×
		SIMATIC S7-1200 Series	○ *17	×	×	×	×	×
SMC Corporation		LECA6 LECP6	×	○ *18	×	×	×	×

- *1 Select an appropriate GT21 model depending on the connection type. For the details of applicable GOT models for each connection type, please refer to page 164.
- *2 GT21 and GS21 cannot be connected.
- *3 Connectable only when a single communication unit is used in a single CPU system.
- *4 Either RS-422 or RS-232 can be selected.
- *5 Only CJ2M-CPU1□ can be connected.
- *6 Connection is not available with the E type CP1E.
- *7 For CP1E (N type) CPU modules with 20 or less I/O points, only the direct CPU connection is available.
- *8 The CQM1-CPU11 is unable to communicate with GOT since the CQM1-CPU11 has no RS-232 interface.
- *9 SYSMAC CVM1/CV can be used with a CPU version 1 or later.
- *10 An RS-232C/RS-422 interface converter (TXU-2051) is required.
- *11 Connection to DH485 network is available via adapter (1770-KF3).
- *12 DH485 connection can be used with a CPU in the series C or later. (DH485 protocol is not supported by a CPU in the series B or earlier.)

- *13 One-to-one connection is supported by a CPU in the series D or later. (DF1 half duplex is not supported by a CPU in the series C or earlier.)
- *14 Only MODBUS®/TCP connection is supported. Use the MODBUS®/TOP master communication driver.
- *15 EtherNet/IP (PCCO protocol) is supported.
- *16 Use EtherNet/IP Tag.
- *17 Only OP communication can be used in Ethernet connection of the S7-200 Series and the S7-1200 Series.
- *18 Only MODBUS®/RTU connection is supported. Use the MODBUS®/RTU master communication driver.
- *19 Only OP communication can be used on GT21 and GS21.
- *20 Only RS-485 is supported.
- *21 GT21 and GS21 do not support EtherNet/IP Tag.

■ Modules usable when connected with non-Mitsubishi controllers in serial communication connection, Ethernet connection, EtherNet/IP connection

Manufacturer		Ethernet		RS-422	RS-232	EtherNet/IP	
OMRON Corporation	Host link unit Communication unit Communication board Ethernet module	CJ1W-EIP21 CJ1W-ETN21 CS1D-ETN21D CS1W-EIP21 CS1W-ETN21		CJ1W-SCU31-V1 CJ1W-SCU41(-V1) CP1W-CIF11 CP1W-CIF12 CQM1-SCB41 CS1W-SCB41(-V1) C200H-LK202-V1 C200HW-COM03 C200HW-COM06 C500-LK201-V1	CJ1W-SCU21(-V1) CJ1W-SCU41(-V1) CPM1-CIF01 CPM2C-CIF01-V1 CP1W-CIF01 CQM1-CIF02 CQM1-SCB41 CS1W-SCB21(-V1) CS1W-SCB41(-V1) CS1W-SCU21(-V1) C200HW-COM02 C200HW-COM05 C200HW-COM06 C200H-LK201-V1 C500-LK201-V1	CJ1W-EIP21	
		KV-LE20V KV-LE21V KV-EP21V KV-NC1EP *3	NEW	KV-L20 KV-L20R KV-L20V KV-NC20L KV-N11L	NEW NEW	—	—
KOYO ELECTRONICS INDUSTRIES CO., LTD.	Data communications module Host link module	—		D0-DCM D2-DCM U-01DM	D0-DCM D2-DCM U-01DM	—	—
Sharp Corporation	Link unit	—		JW-10CM JW-21CM ZW-10CM	—	—	—
JTEKT Corporation	Link unit	—		THU-2755 THU-2927 THU-5139	—	—	—
Hitachi Industrial Equipment Systems Co., Ltd.	Intelligent serial port module	—		COMM-H COMM-2H	COMM-H COMM-2H	—	—

Specifications

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

Manufacturer		Ethernet	RS-422	RS-232	EtherNet/IP
Hitachi, Ltd.	Communication module	—	LQE165 LQE665	LQE060 LQE160 LQE660	—
FUJII ELECTRIC CO., LTD.	RS-232C interface card	—	—	NV1L-RS2	—
	RS-232C/485 interface capsule		FFK120A-C10	FFK120A-C10	
	General-purpose interface module Communication module		FFU120B NC1L-RS4	FFU120B NC1L-RS2	
			NP1L-RS1 NP1L-RS2 NP1L-RS3	NP1L-RS1 NP1L-RS4 NP1L-RS5	
	Ethernet interface module	NP1L-ET1	—	—	
Panasonic Industrial Devices SUNX Co., Ltd.	Computer communication unit Communication cassette	—	AFPX-COM3 AFP7COM1 AFP7COM2 AFP7CCS1M1	AFPG801 AFPG802 AFPX-COM1 AFPX-COM2 AFPX-COM4 AFP2462 AFP3462 AFP5462 AFP7CCS1 AFP7CCS2 AFP7CCS1M1 AFP0HCCS1 AFP0HCCS2 AFP0HCCS1M1	—

*1 When connecting MP2200, MP2300, or MP2300S using Ethernet connection or RS-232 connection, use a CPU of the software version 2.60 or later.

*2 Use an EtherNet/IP communication module 1756-ENET of the version B or later.

*3 When using KV-24□□, 40□□, or 60□□, a connection conversion unit (KV-N1) is required.

◆ Servo amplifiers

Manufacturer	Model name	GT27/GT25/GT23	
		RS-485	RS-232
Panasonic Corporation	MINAS A4 Series	○	○
	MINAS A4F Series	○	○
	MINAS A4L Series	○	○
	MINAS A5 Series	○	○

Specifications

Connectable model list (GOT2000/GOT SIMPLE)

◆ Robot controllers

Manufacturer		Model name			GT27/GT25/GT23/GT21/GS21	
					RS-422	RS-232
IAI Corporation X-SEL controller	ROBO CYLINDER RCA Series dedicated program controller	ASEL	ASEL		X	()
	ROBO CYLINDER RCP2 Series dedicated program controller	PSEL	PSEL		X	○
	Single-axis robot/linear servo/ ROBO CYLINDER RCS2 program controller	SSEL	SSEL		X	○
	Single-axis, multi-axis robot controller	X-SEL	XSEL-J XSEL-K XSEL-KE XSEL-KET	XSEL-KT XSEL-P XSEL-Q	X	○
	SCARA robot controller	X-SEL	XSEL-JX XSEL-KTX XSEL-KX	XSEL-PX XSEL-QX	X	()
IAI Corporation ROBO CYLINDER	RCA2/RCA Series positioner controller	ACON	ACON-C ACON-CG ACON-CY	ACON-PL ACON-PO ACON-SE	○	○
	ERC2 built-in positioner controller	ERC2	ERC2		○	○
	RCP3/RCP2 Series positioner controller	PCON	PCON-C PCON-CA *1 PCON-CF PCON-CFA *1 PCON-CG	PCON-CY PCON-PL PCON-PO PCON-SE	○	○
	RCS2 Series positioner controller	SCON	SCON-C SCON-CA		○	○
TOSHIBA MACHINE CO., LTD.	SCARA robot controller	TS2000 TS2100		X	()	

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

◆ Temperature controllers/Other control equipment

Manufacturer		Model name	GT27/GT25/GT23/GT21/GS21				
			RS-485	RS-422	RS-232	Ethernet	
Azbil Corporation	AHC2001	AHC2001	○ (4-wire type *11)	X	○	X	
	AUR	AUR350C AUR450C	○ (2-wire type *1)	X	○ *2	X	
	CMC	CMC10B	○ (4-wire type)	X	○ *2	X	
	CMF	CMF015	○ (2-wire type *1)	X	○ *2	X	
		CMF050	○ (2-wire type *1/4-wire type)	X	○ *2	X	
	CML	CML	○ (2-wire type *1/4-wire type)	X	○ *2	X	
	CMS	CMS	○ (2-wire type *1)	X	○ *2	X	
	DMC	DMC10	○ (2-wire type *1)	X	○ *2	X	
		DMC50	○ (2-wire type *1/4-wire type)	X	X	X	
	MPC	MPC	○ (2-wire type *1)	X	○ *2	X	
	MOV	MOV	○ (2-wire type *1)	X	○ *2	X	
	MVF	MVF	○ (2-wire type *1)	X	○ *2	X	
	NX	NX-D15 NX-D25	NX-D35	○ (2-wire type *1 *9)	X	X	○ *10
		NX-DX1 NX-DX2	NX-DY1 NX-DY2	○ (2-wire type *1 *9)	X	X	○ *10
		NX-S01 NX-S11	NX-S12 NX-S21	○ (2-wire type *1 *9)	X	X	○ *10
	SDC	SDC15 SDC25 SDC26	SDC35 SDC36	○ (2-wire type *1)	X	○ *2	X
		SDC45	SDC46	○ (2-wire type *1)	X	○ *2	X
		SDC20 SDC21 SDC30 SDC31	SDC40A SDC40B SDC40G	○ (2-wire type *1/4-wire type)	X	○ *2	X
	PBZ	PBZ201-VN2		○ (2-wire type *1/4-wire type)	X	○ *2	X
	RX	RX		○ (2-wire type *1)	X	○ *2	X
	OMRON Corporation	INPANEL NEO	E5ZN	○ (2-wire type *1)	X	○ *2	X
THERMAC NEO		E5AN E5EN	E5CN E5GN	○ (2-wire type *1)	X	○ *2	X
		E5AN-H E5AN-HT	E5EN-H E5EN-HT	○ (2-wire type *1)	○	○ *2	X
		E5CN-H	E5CN-HT	○ (2-wire type *1)	X	○ *2	X
E5□C Series		E5AC E5OC E5DC	E5EC E5GC	○ (2-wire type *1)	X	○ *2	X
		E5CC-B	E5EC-B	○ (2-wire type *1)	X	○ *2	X
		E5AC-T E5OC-T	E5EC-T	○ (2-wire type *1)	X	○ *2	X
E5□D Series		E5OD E5OD-B	E5ED E5ED-B	○ (2-wire type *1)	X	○ *2	X
THERMAC R		E5AR E5AR-T	E5ER E5ER-T	○ (2-wire type *1)	X	○ *2	X
Shinko Technos Co., Ltd. *12	ACS-13A Series	ACS-13A-□/□/□, C5 *8	○ (2-wire type *1)	X	○ *2	X	
	DCL-33A Series	DCL-33A-□/□/□, C5 *8	○ (2-wire type *1)	X	○ *2	X	
	JC Series	JCD-33A-□/□/□, C5 *8		○ (2-wire type *1)	X	○ *2	X
		JCR-33A-□/□/□, C5 *8					
		JCS-33A-□/□/□, C5 *8					
	JCM-33A Series	JCM-33A-□/□/□, C5 *8	○ (2-wire type *1)	X	○ *2	X	
	FCR-100 Series	FCR-13A-□/□/□, C	FCR-15A-□/□/□, C	X	X	○ *4	X
FCD-100 Series	FCD-13A-□/□/□, C	FCD-15A-□/□/□, C	X	X	○ *4	X	
FCR-23A Series	FCR-23A-□/□/□, C		X	X	○ *4	X	

Specifications

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

Manufacturer		Model name	GT27/GT25/GT23/GT21/GS21			
			RS-485	RS-422	RS-232	Ethernet
Shinko Technos Co., Ltd. *12	PC-900 Series	PC935-□/M,C	X			
		PC935-□/M,C5 *8	○ (2-wire type *1)			
		PC955-□/M,C	X	X	○ *4	X
		PC955-□/M,C5 *8	○ (2-wire type *1)			
	PCD-300 Series	PCD-33A-□/M,C5 *8	○ (2-wire type *1)	X	○ *4	X
	FIR Series	FIR-201-M,C	X	X	○ *4	X
	JIR-301-M Series	JIR-301-M□,C5 *8	○ (2-wire type *1)	X	○ *2	X
CHINO CORPORATION *12	AH3000 Series	AH3000	○ (2-wire type *1)	○	○	X
	AL3000 Series	AL3000	○ (2-wire type *1)	○	○	X
	DB1000 Series	DB1000	○ (2-wire type *1)	○	○	X
	DB2000 Series	DB2000	○ (2-wire type *1)	○	○	X
	DZ1000 Series	DZ1000 *7	○ (2-wire type *1)	○	○	X
	DZ2000 Series	DZ2000 *7	○ (2-wire type *1)	○	○	X
	GT120 Series	GT120	○ (2-wire type *1)	X	○ *2	X
	JU Series	JU	○ (2-wire type *1)	○	X	X
	KE Series	KE3000	○ (2-wire type *1)	○	X	X
	KP Series	KP1000 KP2000	○ (2-wire type *1)	○	○	X
	LE5000 Series	LE5000	○ (2-wire type *1)	○	X	X
	LT230 Series	LT230	○ (2-wire type *1)	X	○ *2	X
	LT300 Series	LT350 LT370	○ (2-wire type *1)	○	○	X
	LT400 Series	LT450 LT470	○ (2-wire type *1)	○	○	X
	LT830 Series	LT830	○ (2-wire type *1)	X	○ *2	X
	SE3000 Series	SE3000	○ (2-wire type *1)	○	○	X
FUJII ELECTRIC CO., LTD.	Temperature controller	PXF PXG PXR NEW PXF4/5/9 PXG4/5/9 PXR3/4/5/9 NEW	○ (2-wire type *1)	X	○ *2	X
	Digital controller	PXH PXH9	○ (2-wire type *1)	X	○ *2	X
	Multi-loop module type temperature controller	PUM PUMA/B	○ (2-wire type *1)	X	○ *2	X
Yokogawa Electric Corporation *12	GREEN Series (UM)	UM330 UM350 UM331 UM351	○ (2-wire type *1)	X	○ *2	X
	GREEN Series (UP)	UP350 UP351 UP750	○ (2-wire type *1/4-wire type)	X	○ *2	X
	GREEN Series (US)	US1000	○ (2-wire type *1)	X	○ *2	X
	GREEN Series (UT)	UT320 UT321 UT350 UT351 UT420 UT551	○ (2-wire type *1/4-wire type)	X	○ *2	X
		UT750	○ (2-wire type *1)	X	○ *2	X
	UT100 Series (UP)	UP150	○ (2-wire type *1)	X	○ *2	X
	UT100 Series (UT)	UT130 UT150 UT152 UT155	○ (2-wire type *1)	X	○ *2	X
	UT2000 Series	UT2400 UT2800	○ (4-wire type)	X	○ *2	X
	UTAdvanced Series (UM)	UM33A	○ (2-wire type *1/4-wire type)	X	○ *2	○ *10
	UTAdvanced Series (UP)	UP35A UP55A UP32A NEW	○ (2-wire type *1/4-wire type)	X	○ *2	○ *10
	UTAdvanced Series (UT)	UT32A UT35A UT52A UT75A	○ (2-wire type *1/4-wire type)	X	○ *2	○ *10
			○ (2-wire type *1)			
	RKC INSTRUMENT INC. *12	SR Mini HG	H-PCP-J H-PCP-A H-PCP-B *7	○ (2-wire type *1)	○	○
			X	○	○	X
SRZ		Z-CT Z-DIO Z-TIO	○ (2-wire type *1 *8)	○ *5	○ *2 *3	○ *10
CB *7		CB100 CB400 CB500	○ (2-wire type *1)	X	○ *2	X
FB		FB100 FB400 FB900	○ (2-wire type *1/4-wire type)	X	○ *2	○ *10
			○ (2-wire type *1/4-wire type)	○	○ *2 *3	○ *10
RB		RB100 RB400 RB500	○ (2-wire type *1)	X	○ *2	X
PF		PF900 PF901	○ (2-wire type *1/4-wire type)	○	○ *2 *3	X
HA		HA400 HA401 HA900 HA901	○ (2-wire type *1/4-wire type)	○	○	X
RMC		RMC500	○ (2-wire type *1)	X	○ *2	X
MA		MA900 MA901	○ (2-wire type *1/4-wire type)	○	○	X
AG		AG500	○ (2-wire type *1/4-wire type)	○	X	X
THV		THV-A1	○ (2-wire type *1/4-wire type)	○	X	X
SA		SA100 SA200	○ (2-wire type *1)	X	○ *2	X
SRX		X-TIO	○ (2-wire type *1)	X	○ *2	X
SB1		SB1	○ (2-wire type *1)	X	○ *2	X
B400		B400	○ (2-wire type *1)	○	X	X
FZ		FZ110 FZ400 FZ900	○ (2-wire type *1)	X	○ *2	X
			○ (2-wire type *1)	○	○ *2 *3	X
RZ		RZ100 RZ400	○ (2-wire type *1)	X	○ *2	X
SRJ		J-TI-A J-TI-B NEW	○ (2-wire type *1)	X	○ *2	X

*1 GT27/GT25: Use RS-422/485 interface, GT15-RS4-TE, or FA-LTBGT2R4CBL□. GT15-RS4-9S cannot be used.
 *2 If the temperature controller/indicating controller has an RS-485 interface, use an RS-232/RS-485 converter for the manufacturer.
 *3 If the temperature controller/indicating controller has an RS-422 interface, use an RS-232/RS-422 converter for the manufacturer.
 *4 Only the indicating controller equipped with RS-232 communication function can be connected.
 *5 Use a communication extension module (Z-COM).
 *6 Use a communication extension module (Z-COM) depending on the system configuration of the temperature controller.
 *7 Select a model that supports the MODBUS® communication function.
 *8 Connectable with the products manufactured in October 2007 or later (indicating controllers with the serial numbers 07Axxxxxx, 07Kxxxxxx, and 07Xxxxxxx or later).
 *9 Only MODBUS®/RTU connection is supported. Use the MODBUS®/RTU master communication driver.
 *10 Only MODBUS®/TCP connection is supported. Use the MODBUS®/TCP master communication driver.
 *11 Use a serial communication unit SCU.
 *12 GT21 and GS21 cannot be connected.

Specifications

Connectable model list (GOT2000/GOT SIMPLE)

◆ MODBUS® devices

Communication with MODBUS® compatible devices is possible by using the MODBUS®/RTU master or MODBUS®/RTU slave communication driver, or the MODBUS®/TCP master or MODBUS®/TCP slave communication driver.

For the MODBUS® devices, which have been checked for operation, please refer to the Technical Bulletin "List of Valid Devices Applicable for GOT2000 Series MODBUS® Connection" (No. GOT-A-0070) on the Mitsubishi Electric Factory Automation Global website.

◆ PROFIBUS DP devices

Communication with PROFIBUS DP-compliant devices is possible by using the PROFIBUS DP communication driver. (GT27, GT25 only)

For the PROFIBUS DP-compliant devices, please refer to the Technical Bulletin "List of PROFIBUS DP-compliant Equipment Validated to Operate with the GOT2000 Series" (No. GOT-A-0083) on the Mitsubishi Electric Factory Automation Global website.

◆ DeviceNet devices

Communication with DeviceNet-compliant devices is possible by using the DeviceNet communication driver. (GT27, GT25 only)

For the DeviceNet-compliant devices, please refer to the Technical Bulletin "List of DeviceNet-compliant Equipment Validated to Operate with the GOT2000 Series" (No. GOT-A-0084) on the Mitsubishi Electric Factory Automation Global website.

◆ Microcomputer connection

By connecting a personal computer, microcomputer board, programmable controller, etc. to a GOT, the data can be written to or read from virtual devices of the GOT.

◆ SLMP devices

Communication with SLMP compatible devices is possible by using the SLMP communication driver.

For the SLMP devices, which have been checked for operation, please refer to the Technical Bulletin "List of SLMP-compatible Equipment Validated to Operate with the GOT2000 Series" (No. GOT-A-0085) on the Mitsubishi Electric Factory Automation Global website.

◆ CC-Link IE Field Network Basic-compatible devices

Communication with CC-Link IE Field Network Basic-compatible devices is possible by using the Ethernet (CC-Link IE Field Network Basic) communication driver.

The GOT2000 Series operates as a slave station and is connectable to CC-Link IE Field Network Basic-compatible devices that operate as master stations.

For the CC-Link IE Field Network Basic-compatible devices, please refer to the Technical Bulletin "List of CC-Link IE Field Network Basic-compatible Equipment Validated to Operate with the GOT2000 Series" (No. GOT-A-0104) on the Mitsubishi Electric Factory Automation Global website.

■ Applicable GOT models for each connection type

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

Model	Connection type	Applicable model	
GT27/GT25	RS-232	All models (Built-in interfaces of the GOT can be used.)	
	RS-422/485		
	Ethernet		
	CC-Link (via G4)		
	Other than above	GT27 all models GT25 models excluding some models (By mounting communication units on the GOT, bus connection, network connection, and others can be used. No communication units can be mounted on GT2510-WXTBD, GT2510-WXTSD, GT2507-WTBD, GT2507-WTSD, GT2507T-WTSD, GT2505-VTBD, GT2506HS-VTBD, and GT2505HS-VTBD.)	
GT23	RS-232	All models (Built-in interfaces of the GOT can be used.)	
	RS-422/485		
	Ethernet		
	CC-Link (via G4)		
GT21/GS21	RS-232	GT2107-WTBD	GT2103-PMBDS2
		GT2107-WTSD	GS2110-WTBD
		GT2104-RTBD	GS2107-WTBD
		GT2103-PMBDS	
	RS-422/485	GT2107-WTBD	GT2103-PMBDS
		GT2107-WTSD	GT2103-PMBLS *1
		GT2104-RTBD	GS2110-WTBD *2
		GT2103-PMBD	GS2107-WTBD *2
	Ethernet	GT2107-WTBD	GT2103-PMBD
		GT2107-WTSD	GS2110-WTBD
		GT2104-RTBD	GS2107-WTBD
	CC-Link (via G4)	GT2107-WTBD	GT2103-PMBDS
		GT2107-WTSD	GT2103-PMBDS2
		GT2104-RTBD	GS2110-WTBD
		GT2103-PMBD	GS2107-WTBD

*1 Only connection with MELSEC iQ-F Series and MELSEC-F Series is supported.

*2 Only RS-422 is supported.

Connectable model list (GT SoftGOT2000 Version1)

◆ Mitsubishi Electric programmable controllers/C Controller modules/Safety controllers/Motion controllers

Series	Model name	Connection type									
		Ethernet connection		Direct CPU connection		Serial communication connection	CC-Link IE TSN connection	CC-Link IE Controller Network connection	CC-Link IE Field Network connection	MELSEC NET/H connection	MELSEC NET/10 connection ¹
		Single	Multi ^{NEW}	RS-232	USB						
Programmable controller	MELSEC IQ-R Series	R00CPU ^{NEW}									
		R01CPU ^{NEW}									
		R02CPU ^{NEW}									
		R04CPU									
		R08CPU									
		R16CPU									
		R32CPU	○	○	×	○	×	○	○	×	×
		R120CPU									
		R04ENCPU									
		R08ENCPU									
		R16ENCPU									
		R32ENCPU									
		R120ENCPU									
	Safety CPU	R08SFCPU ^{*27}									
		R16SFCPU ^{*27}	○	○	×	○	×	○	○	×	×
		R32SFCPU ^{*27}									
		R120SFCPU ^{*27}									
	Process CPU	R08PCPU ^{*28}									
		R16PCPU ^{*28}	○	○	×	○	×	○	○ ^{*29}	×	×
		R32PCPU ^{*28}									
		R120PCPU ^{*28}									
		R08PSFCPU ^{*33} ^{NEW}									
		R16PSFCPU ^{*33} ^{NEW}	○	○	×	○	×	○	○ ^{*29}	×	×
		R32PSFCPU ^{*33} ^{NEW}									
		R120PSFCPU ^{*33} ^{NEW}									
	High-speed universal model QCPU	Q03UDVCPU									
		Q04UDVCPU									
		Q06UDVCPU	○ ^{*23}	○ ^{*23}	○ ^{*18}	○	○	×	○ ^{*2}	○ ^{*4}	○ ^{*23}
		Q13UDVCPU									
		Q26UDVCPU									
	Universal model QCPU	Q00UCPU							○ ^{*2}		
		Q01UCPU									
		Q02UCPU							○ ^{*3}		
		Q03UDCPU									
		Q04UDHCPU	○ ^{*23}	○ ^{*23}	○	○	○	×		○ ^{*4}	○ ^{*23}
		Q06UDHCPU									
		Q10UDHCPU							○ ^{*2}		
		Q13UDHCPU									
		Q20UDHCPU									
		Q26UDHCPU									
	Built-in Ethernet type	Q03UDECPU							○ ^{*3}		
		Q04UDEHCPU									
		Q06UDEHCPU									
		Q10UDEHCPU	○ ^{*23}	○ ^{*23}	○ ^{*18}	○	○	×	○ ^{*2}	○ ^{*4}	○ ^{*23}
		Q13UDEHCPU									
		Q20UDEHCPU									
		Q26UDEHCPU									
		Q100UDEHCPU									
	Basic model QCPU	Q00JCPU									
		Q00CPU ^{*6}	○ ^{*23}	○ ^{*23}	○	×	○	×	○ ^{*5}	×	○ ^{*23}
		Q01CPU ^{*6}									
	High performance model QCPU	Q02CPU ^{*6}				×					
		Q02HCPU ^{*6}									
		Q06HCPU ^{*6}	○ ^{*23}	○ ^{*23}	○	○	○	×	○ ^{*7}	×	○ ^{*23}
		Q12HCPU ^{*6}									
	Process CPU	Q02PHCPU							○ ^{*8}		
		Q06PHCPU	○ ^{*23}	○ ^{*23}	○	○	○	×		×	○ ^{*23}
		Q12PHCPU							○ ^{*9}		
		Q25PHCPU									
	Redundant CPU (main base)	Q12PRHCPU	○	○	○	○	×	×	○ ^{*9}	×	○ ^{*10}
		Q25PRHCPU									
	Redundant CPU (extension base)	Q12PRHCPU	○	○	×	×	○	×	×	×	×
		Q25PRHCPU									
	MELSEC-QS Series	QS001CPU	○	○	×	○ ^{*11}	×	×	○ ^{*12}	○ ^{*13}	○
		QS002CPU									
	MELSEC-L Series	L02SCPU-P	○ ^{*14}	○ ^{*15}	○	○	○	×	×	○ ^{*16}	×
		L02CPU									
		L02CPU-P									
		L06CPU									
		L06CPU-P	○ ^{*14}	○ ^{*14}	○ ^{*17}	○	○	×	×	○ ^{*16}	×
		L26CPU									
		L26CPU-P									
		L26CPU-BT									
		L26CPU-PBT									
	MELSEC IQ-F Series	FX5U	○	○	○	×	×	×	×	×	×
		FX5UC				○					
		FX5UJ ^{NEW}									

- There are two ways of usage of GT SoftGOT2000: GT SoftGOT2000 for single channel connection and GT SoftGOT2000 (Multi-channel) for multi-channel connection. GT SoftGOT2000 (Multi-channel) supports Ethernet connection, connection to OPC UA servers, or connection to microcomputers. Therefore in the following list, Ethernet connection column is separated in two columns: Single (GT SoftGOT2000) and Multi (GT SoftGOT2000 (Multi-channel)). For connection with OPC UA servers or microcomputers, please refer to page 170.
- For the details of the connection configuration, please refer to the GT SoftGOT2000 Version1 Operating Manual.

Specifications

- There are two ways of usage of GT SoftGOT2000: GT SoftGOT2000 for single channel connection and GT SoftGOT2000 (Multi-channel) for multi-channel connection. GT SoftGOT2000 (Multi-channel) supports Ethernet connection, connection to OPC UA servers, or connection to microcomputers. Therefore in the following list, Ethernet connection column is separated in two columns: Single (GT SoftGOT2000) and Multi (GT SoftGOT2000 (Multi-channel)). For connection with OPC UA servers or microcomputers, please refer to page 170.
- For the details of the connection configuration, please refer to the GT SoftGOT2000 Version1 Operating Manual.

Series	Model name	Connection type									
		Ethernet connection		Direct CPU connection		Serial communication connection	CC-Link IE TSN connection	CC-Link IE Controller Network connection	CC-Link IE Field Network connection	MELSEC NET/H connection	MELSEC NET/10 connection ^{*1}
		Single	Multi ^{NEW}	RS-232	USB						
Programmable controller	MELSEC-F Series	FX0									
		FX0S	×	×	○	×	×	×	×	×	×
		FX0N									
		FX1									
		FX1S									
		FX1N	×	×	○	×	×	×	×	×	×
		FX1NC									
		FX2									
		FX2C	×	×	○	×	×	×	×	×	×
		FX2N									
		FX2NC									
		FX3G	○	○ ^{*31}	○	×	×	×	×	×	×
		FX3GC									
		FX3U									
		FX3UC	○	○ ^{*31}	○	×	×	×	×	×	×
		FX3S									
		FX3GE									
Controller module	MELSEC IQ-R Series	R12CCPU-V	○ ^{*25}	○ ^{*25}	×	○ ^{*26}	○ ^{*19}	×	○	×	×
	MELSEC-Q Series	Q24DHCCPU-V									
		Q24DHCCPU-VG									
		Q24DHCCPU-LS	○	○	○ ^{*18}	○	○ ^{*19}	×	○ ^{*2}	○	○
		Q26DHCCPU-LS									
		Q12DCCPU-V ^{*20}									
Safety controller	MELSEC-WS Series	WS0-CPU0									
		WS0-CPU1	×	×	×	×	×	×	×	×	×
		WS0-CPU3									
Motion controller	MELSEC IQ-R Series	R16MTCPU									
		R32MTCPU	○	○	×	○	×	○	○	×	×
		R64MTCPU									
	MELSEC-Q Series	Q172CPU ^{Discontinued}	×	×	×	×	×	×	×	×	×
		Q173CPU ^{Discontinued}									
		Q172CPUN ^{Discontinued}	×	×	×	×	×	×	×	×	×
		Q173CPUN ^{Discontinued}									
		Q172HCPU ^{Discontinued}	×	×	×	×	×	×	×	×	×
		Q173HCPU ^{Discontinued}									
		Q172DCPU	×	×	×	×	×	×	×	×	×
		Q173DCPU									
		Q172DCPU-S1	×	×	×	×	×	×	×	×	×
		Q173DCPU-S1									
		Q172DSCPU	○ ^{*23}	○ ^{*23}	○ ^{*18}	○	×	○	×	○ ^{*23}	○ ^{*23}
		Q173DSCPU									
		Q170MCPU ^{*21 *22}	○ ^{*23}	○ ^{*23 *22}	○	○	×	○	○ ^{*4}	○ ^{*23}	○ ^{*23}
		Q170MSCPU ^{*22}	○ ^{*23}	○ ^{*23}	○	○	×	○	○	○ ^{*23}	○ ^{*23}
		Q170MSCPU-S1 ^{*22}									
		MR-MQ100	×	×	×	×	×	×	×	×	×
MELSECNET/H remote I/O station		QJ72LP25-25									
		QJ72LP25G	×	×	○	×	×	×	×	×	×
		QJ72BR15									
CC-Link IE Field Network head module	MELSEC IQ-R Series	RJ72GF15-T2	○	○	×	○	×	×	○ ^{*29}	×	×
	MELSEC-L Series	LJ72GF15-T2	×	×	×	○	×	×	○	×	×
CC-Link IE Field Network Ethernet adapter module		NZ2GF-ETB ^{*24}	○	○	×	×	×	×	×	×	×

- ^{*1} Includes the connection where MELSECNET/H is used in the MELSECNET/10 mode. Connection to the remote I/O network is not allowed.
- ^{*2} Use a CC-Link IE Controller Network module with the upper five digits of the serial No. later than 09042.
- ^{*3} Use a CPU and a CC-Link IE Controller Network module with the upper five digits of the serial No. later than 09042.
- ^{*4} Use a CPU with the upper five digits of the serial No. later than 12012.
- ^{*5} Use a CPU of function version B or later or a CC-Link IE Controller Network module of function version D or later.
- ^{*6} For the multiple CPU system configuration, use a CPU of function version B or later.
- ^{*7} Use a CPU with the upper five digits of the serial No. later than 09012.
- ^{*8} When the total number of stations in a network is 65 or more, use a CC-Link IE Controller Network module with the upper five digits of the serial No. 09042 or later.
- ^{*9} Use a CPU with the upper five digits of the serial No. later than 10042 or a CC-Link IE Controller Network module of function version D or later.
- ^{*10} Use a MELSECNET/H interface board driver (SW0DNC-MNETH-B) with the version K or later.
- ^{*11} Only the host station and the host station settings can be accessed. (Access to other stations or other PLC CPUs are not allowed.)
- ^{*12} Use a CPU with the upper five digits of the serial No. later than 10032 or a CC-Link IE Controller Network module of function version D or later.
- ^{*13} Use a CPU with the upper five digits of the serial No. later than 13042.
- ^{*14} When using a LJ71E71-100, use a CPU with the upper five digits of the serial No. later than 14112.
- ^{*15} Use a LJ71E71-100 since L02SCPU and L02SCPU-P have no built-in Ethernet port.
- ^{*16} Use a CPU with the upper five digits of the serial No. later than 13012.
- ^{*17} The adapter L6ADP-R2 is required.
- ^{*18} Access via the serial port (RS-232) of QCPU in the multiple CPU system since the CPU has no serial port.
- ^{*19} Use the serial port of a serial communication module controlled by another CPU on the multiple CPU system.
- ^{*20} Use a CPU with the upper five digits of the serial No. later than 12042.

- ^{*21} When using SV43, use the motion CPU on which any of the following main OS software version is installed.
SW7DNC-SV43Q□: 00F or later
- ^{*22} Only the PLC CPU area (CPU No.1) can be connected. The PERIPHERAL I/F cannot be used.
- ^{*23} In the Ethernet, MELSECNET/H, or MELSECNET/10 connection, to monitor a QCPU in the multiple CPU system, always use a network module of function version B or later.
- ^{*24} Devices of other stations can be monitored via NZ2GF-ETB. (Devices of the host station cannot be monitored.)
- ^{*25} Use the built-in Ethernet port since RJ71EN71 is not supported.
- ^{*26} Access via the RCP in the multiple CPU system since the CPU has no USB port to connect to a personal computer.
- ^{*27} Mount a safety function module R6SFM next to the RnSFCPU on the base unit. The RnSFCPU and the safety function module R6SFM must have the same pair version. If their pair versions differ, the RnSFCPU does not operate.
- ^{*28} Mount a redundant function module R6RFM next to the RnPCPU on the base unit when building a redundant system.
- ^{*29} In a redundant system, use a CC-Link IE Field Network interface board with the upper five digits of the serial No. 18042 or later.
- ^{*30} Mount the SIL2 function module R6PSFM and redundant function module R6RFM next to the RnPSFCPU on the base unit.
- ^{*31} The supported version of the main units varies depending on the Ethernet module to be used.

Ethernet module [*]	CPU		
	FX3U(C)	FX3G(C)	FX3S
FX3U-ENET-L	Ver. 2.21 or later	FX3G-ENET-L is not supported.	
FX3U-ENET-ADP [*]	Ver. 3.10 or later	Ver. 2.00 or later	Ver. 1.00 or later

^{*}To connect to FX3SCPU, use FX3U-ENET-ADP Ver.1.20 or later.

^{*} PERIPHERAL I/F can be used.

■ Modules usable when connected with Mitsubishi Electric programmable controllers/C Controller modules/ Motion controllers

● Ethernet connection

• Programmable controller Ethernet modules

CPU series	Ethernet module
MELSEC iQ-R Series C Controller module (MELSEC iQ-R Series) Motion controller (MELSEC iQ-R Series) CC-Link IE Field Network head module (MELSEC iQ-R Series)	RJ71EN71 *4 RJ71GN11-T2 *6 *7 *8 *9 NEW
MELSEC-Q Series (Q mode) MELSEC-QS Series C Controller module (MELSEC-Q Series) Motion controller (MELSEC-Q Series) *1	QJ71E71-100 QJ71E71-B5 QJ71E71-B2 QJ71E71
MELSEC-L Series	LJ71E71-100 *2
MELSEC-F Series	FX3U-ENET-L *3 FX3U-ENET-ADP *3 *5

*1 When connecting to a Q170MCPUCPU/Q170MSCPU(-S1), only the PLC CPU area (CPU No.1) can be monitored. The PERIPHERAL I/F cannot be used.

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

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

*4 Use firmware version 12 or higher when building a redundant system.

*5 Use FX3U-ENET-ADP Ver.1.20 or higher to connect to FX3SCPU.

*6 Only available to GT SoftGOT2000 (Multi-channel).

*7 Usable with MELSEC iQ-R Series programmable controller CPUs only.

*8 Use firmware version 11 or higher when using R00CPU, R01CPU, or R02CPU.

*9 Use firmware version 43 or higher when using programmable controller CPUs (excluding R00CPU, R01CPU, R02CPU).

● Serial communication connection *1

• Programmable controller serial communication modules

CPU series	Serial communication module	
MELSEC iQ-R Series C Controller module (MELSEC iQ-R Series) Motion controller (MELSEC iQ-R Series) CC-Link IE Field Network head module (MELSEC iQ-R Series)	RJ71C24 *3 RJ71C24-R2 *3	
MELSEC-Q Series (Q mode) C Controller module (MELSEC-Q Series) Motion controller (MELSEC-Q Series) *2	QJ71C24 QJ71C24-R2 QJ71C24N QJ71C24N-R2	QJ71CMO QJ71CMON
MELSEC-L Series CC-Link IE Field Network head module (MELSEC-L Series)	LJ71C24 LJ71C24-R2	

*1 Only RS-232C communication can be used.

*2 When connecting to a Q170MCPUCPU/Q170MSCPU(-S1), only the PLC CPU area (CPU No.1) can be monitored.

*3 Use firmware version 07 or higher when building a redundant system.

● CC-Link IE TSN connection

CPU Series	CC-Link IE TSN module
MELSEC iQ-R Series	×

● CC-Link IE Controller Network connection

• Network modules (programmable controller side)

CPU series	CC-Link IE Controller Network module
MELSEC iQ-R Series C Controller module (MELSEC iQ-R Series) Motion controller (MELSEC iQ-R Series)	RJ71GP21-SX *2
MELSEC-Q Series (Q mode) MELSEC-QS Series C Controller module (MELSEC-Q Series) Motion controller (MELSEC-Q Series) *1	QJ71GP21-SX QJ71GP21S-SX

*1 When connecting to a Q170MCPUCPU/Q170MSCPU(-S1), only the PLC CPU area (CPU No.1) can be monitored.

*2 Use firmware version 12 or higher when building a redundant system.

• Network interface boards (personal computer side)

Type	Network interface board
CC-Link IE Controller Network	Q80BD-J71GP21-SX
	Q80BD-J71GP21S-SX
	Q81BD-J71GP21-SX (optical loop)
	Q81BD-J71GP21S-SX (optical loop, with external power supply function)

Specifications

- There are two ways of usage of GT SoftGOT2000: GT SoftGOT2000 for single channel connection and GT SoftGOT2000 (Multi-channel) for multi-channel connection. GT SoftGOT2000 (Multi-channel) supports Ethernet connection, connection to OPC UA servers, or connection to microcomputers. Therefore in the following list, Ethernet connection column is separated in two columns: Single (GT SoftGOT2000) and Multi (GT SoftGOT2000 (Multi-channel)). For connection with OPC UA servers or microcomputers, please refer to page 170.
- For the details of the connection configuration, please refer to the GT SoftGOT2000 Version1 Operating Manual.

● CC-Link IE Field Network connection

• Network modules (programmable controller side)

CPU series	CC-Link IE Field Network module
MELSEC IQ-R Series C Controller module (MELSEC IQ-R Series) Motion controller (MELSEC IQ-R Series)	RJ71GF11-T2 *2 RJ71EN71 RD77GF4 RD77GF8 RD77GF16 RD77GF32
MELSEC-Q Series (Q mode) C Controller module (MELSEC-Q Series) Motion controller (MELSEC-Q Series) *1	QJ71GF11-T2
MELSEC-QS Series	QS0J71GF11-T2
MELSEC-L Series	LJ71GF11-T2
MELSEC IQ-F Series	X

*1 When connecting to a Q170MCPUCPU/Q170MSCPU(-S1), only the PLC CPU area (CPU No.1) can be monitored.

*2 Use firmware version 12 or higher when building a redundant system.

• Network interface boards (personal computer side)

Type	Network interface board
CC-Link IE Field Network	Q81BD-J71GF11-T2

● MELSECNET/H, MELSECNET/10 connection

• Network modules (programmable controller side)

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

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

*2 When connecting to a Q170MCPUCPU/Q170MSCPU(-S1), only the PLC CPU area (CPU No.1) can be monitored.

• Network interface boards (personal computer side)

Type	Network interface board
MELSECNET/H	Q80BD-J71LP21-25 (optical loop) Q80BD-J71LP21S-25 (optical loop, with external power supply function) Q80BD-J71LP21G (optical loop) Q80BD-J71BR11 (coaxial loop) Q81BD-J71LP21-25 (optical loop)

◆ Mitsubishi Electric industrial computer NEW

Series	Model name	Connection type										
		Ethernet connection		Direct CPU connection		Serial communication connection	CC-Link IE TSN connection	CC-Link IE Controller Network connection	CC-Link IE Field Network connection	MELSEC NET/H connection	MELSEC NET/10 connection *1	MELIPC direct connection
MELIPC	MI5122-VW	○	○	X	X	X	X	X	○	X	X	○

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

◆ Mitsubishi Electric inverters NEW

Series	Model name	Connection type				
		Ethernet connection		RS-485	RS-232	Multi-drop connection
		Single	Multi NEW			
FR-A800 Series	FR-A8□0 *1	X	○ *3	X	X	X
	FR-A8□2 *1					
	FR-A8□6 *1					
	FR-A8□0-E *2					
	FR-A8□2-E *2					
	FR-A8□6-E *2					
	FR-A8□0-GF *1					
FR-A800 Plus Series	FR-A8□2-GF *1					
	FR-A8□0-CRN *1					
	FR-A8□2-CRN *1					
	FR-A8□0-E-CRN *2					
	FR-A8□2-E-CRN *2					
	FR-A8□0-R2R *1					
	FR-A8□2-R2R *1					
FR-F800 Series	FR-A8□0-E-R2R *2					
	FR-F8□0 *1					
	FR-F8□2 *1					
	FR-F8□6 *1					
FR-E700 Series	FR-F8□0-E *2					
	FR-F8□2-E *2					
FR-E700 Series	FR-E7□0-NE *2					

*1 Inverter connection is supported by using CC-Link IE Field Network connection via a programmable controller CPU.

*2 Inverter connection is supported by using Ethernet connection via a programmable controller CPU.

*3 Connection is supported by using RJ71GN11-T2 via Ethernet.

◆ Mitsubishi Electric servo amplifiers (SSCNET III/H)

Series	Model name	Motion controller or programmable controller		Connection type									
				Ethernet connection		Direct CPU connection		Serial communication connection	CC-Link IE TSN connection	CC-Link IE Controller Network connection	CC-Link IE Field Network connection	MELSEC NET/H connection	MELSEC NET/10 connection ^{*1}
		Simple motion module	CPU type	Single	Multi NEW	RS-232	USB						
MELSERVO-J4 Series	MR-J4-□B MR-J4-□B-RJ MR-J4W2-□B MR-J4W3-□B	—	RnMTCPU	○	○	×	○	○	×	○	○	×	×
		RD77MS	RnCPU	○	○	×	○	○	×	○	○	×	×
		FX5-40SSC-S	FX5CPU	○	○	○	○	×	×	×	×	×	×
		FX5-80SSC-S	FX5CPU	○	○	○	○	×	×	×	×	×	×
MELSERVO-JE Series	MR-JE-□B	RD77MS ^{*2}	RnCPU	○	○	×	○	○	×	○	○	×	×
		FX5-40SSC-S	FX5CPU	○	○	○	×	×	×	×	×	×	×
		FX5-80SSC-S	FX5CPU	○	○	○	×	×	×	×	×	×	×

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

^{*2} Use a module with the firmware version 3 or later.

◆ Mitsubishi Electric robot controllers

Series	Controller name	Connection type									
		Ethernet connection		Direct CPU connection		Serial communication connection	CC-Link IE TSN connection	CC-Link IE Controller Network connection	CC-Link IE Field Network connection	MELSEC NET/H connection	MELSEC NET/10 connection ^{*1}
		Single	Multi NEW	RS-232	USB						
F Series	CR750-Q(Q172DRCPU)	○ ^{*2}	○ ^{*2}	○ ^{*3}	○ ^{*5}	○	×	○ ^{*4}	○	○	○
	CR751-Q(Q172DRCPU)	○	○	×	×	×	×	×	×	×	×
	CR750-D	○	○	×	×	×	×	×	×	×	×
	CR751-D	○	○	×	×	×	×	×	×	×	×
SQ Series	CRnQ-700(Q172DRCPU)	○ ^{*2}	○ ^{*2}	○ ^{*3}	○ ^{*5}	○	×	○ ^{*4}	○	○	○
SD Series	CRnD-700	○	○	×	×	×	×	×	×	×	×
FR Series	CR800-D	○	○ ^{*7}	×	×	×	×	×	×	×	×
	CR800-R(R16RTCPU)	○	○	×	○ ^{*6}	×	×	×	×	×	×
	CR800-Q(Q172DRCPU)	○	○	○ ^{*3}	○ ^{*5}	○	×	○ ^{*4}	○	○	○
	CR800-Q(Q172DRCPU) NEW	○	○	○ ^{*3}	○ ^{*5}	○	×	○ ^{*4}	○	○	○

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

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

^{*3} Access via the serial port (RS-232) of QCPU in the multiple CPU system since CRnQ-700, CR750/751-Q, and CR800-Q have no serial port.

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

^{*5} Access via QCPU in the multiple CPU system since CR750-Q, CR751-Q, CRnQ-700, and CR800-Q have no USB port.

^{*6} Access via RCP in the multiple CPU system since CR800-R has no USB port.

^{*7} Connectable to the built-in LAN port of CR800-D in Ethernet connection.

◆ Mitsubishi Electric CNCs

Series	Connection type									
	Ethernet connection		Direct CPU connection		Serial communication connection	CC-Link IE TSN connection	CC-Link IE Controller Network connection	CC-Link IE Field Network connection	MELSEC NET/H connection	MELSEC NET/10 connection ^{*1}
	Single	Multi NEW	RS-232	USB						
CNC C80 (R16NCCPU-S1)	○	○	×	○ ^{*4}	×	×	×	×	×	×
CNC C70 (Q173NCCPU)	○	○	○ ^{*2}	○	○	×	○ ^{*3}	○	○	○

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

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

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

^{*4} Access via RCP in the multiple CPU system since CNC C80 has no USB port.

◆ Non-Mitsubishi programmable controllers/Motion controllers

Manufacturer	Model name	Connection type				
		Ethernet connection		Direct CPU connection (RS-232)	Serial communication connection (RS-232)	
		Single	Multi NEW			
OMRON Corporation	SYSMAC CJ1	CJ1H CJ1G	CJ1M	○	○	×
	SYSMAC CJ2	CJ2H CJ2M		○	○	×
	SYSMAC CPM	CPM2A		×	×	×
	SYSMAC CQM1	CQM1		×	×	×
	SYSMAC CQM1H	CQM1H		×	×	×
	SYSMAC CP1	CP1E (N type)		×	×	×
	SYSMAC CS1	CS1H CS1G	CS1D ^{*3}	○	○	×
	SYSMAC CVM1/CV ^{*4}	CVM1-CPU11-V□ CVM1-CPU01-V□ CV500-CPU01-V□	CV1000-CPU01-V□ CV2000-CPU01-V□	×	×	×
	SYSMAC α	C200HX C200HG	C200HE	×	×	×
	NJ	NJ501-□□□□ NJ101-□□□□	NJ301-□□□□	×	×	×
KEYENCE CORPORATION		KV-700 KV-1000	KV-3000	○	○	×
		KV-5000 KV-7300	KV-5500	○	○	×
				○	○	×
				○	○	×

Specifications

- There are two ways of usage of GT SoftGOT2000: GT SoftGOT2000 for single channel connection and GT SoftGOT2000 (Multi-channel) for multi-channel connection. GT SoftGOT2000 (Multi-channel) supports Ethernet connection, connection to OPC UA servers, or connection to microcomputers. Therefore in the following list, Ethernet connection column is separated in two columns: Single (GT SoftGOT2000) and Multi (GT SoftGOT2000 (Multi-channel)). For connection with OPC UA servers or microcomputers, please refer to page 170.
- For the details of the connection configuration, please refer to the GT SoftGOT2000 Version1 Operating Manual.

◆ Non-Mitsubishi programmable controllers/Motion controllers

Manufacturer		Model name		Connection type			
				Ethernet connection		Direct CPU connection (RS-232)	Serial communication connection (RS-232)
		Single	Multi NEW				
TOSHIBA CORPORATION	Unified Controller nv Series	PU811		○	×	×	
		PUM11 NEW	○	○	×	×	
		PUM12 NEW	○	○	×	×	
		PUM14 NEW	○	○	×	×	
YASKAWA Electric Corporation		GL120 GL130	×	×	○	×	
		GL60S GL70H	×	×	×	○	
		CP-9200SH	×	×	×	○	
		CP-9300MS	×	×	○	×	
		MP920	○	○	○	○	
		MP930	×	×	○	×	
		MP940	×	×	○	×	
		PROGIC-8	×	×	○	×	
		CP-9200 (H)	×	×	○	×	
		CP-312	×	×	×	×	
		CP-317	○	○	×	○	
		MP2200		○		○	
		MP2300 MP2300S	○	○	×	○	
		MP3200 MP3300	○	○	×	×	
Yokogawa Electric Corporation	FA-M3	F3SP05 F3SP08 F3FP36 F3SP21 F3SP25 F3SP28 F3SP35	○	○	×	×	
		F3SP38 F3SP53 F3SP58 F3SP59 F3SP66 F3SP67					
	FA-M3V	F3SP71-4N F3SP71-4S	○	○	×	×	
	STARDOM	NFCP100 NFJT100	○ *7	○ *7	×	×	
Siemens AG		SIMATIC S7-200 series *5 SIMATIC S7-300 series	SIMATIC S7-400 series SIMATIC S7-1200 series *5	○	○	×	×

*1 Only CJ2M-CPU1□ can be connected.

*2 Connection to the CQM1-CPU11 is not allowed since the CQM1-CPU11 has no RS-232 interface.

*3 Connection is supported only when a single communication unit is used in a single CPU system configuration.

*4 SYSMAC CVM1/CV can be used with a CPU version 1 or later.

*5 Only OP communication can be used in Ethernet connection of the S7-200 series and the S7-1200 series.

*6 Connection is not available with the E type CP1E.

*7 Only MODBUS®/TCP connection is supported. Use the MODBUS®/TCP master communication driver.

■ Modules usable when connected with non-Mitsubishi controllers in serial communication connection or Ethernet connection

Manufacturer		Ethernet		RS-232
OMRON Corporation	Ethernet module	CS1W-ETN21	CJ1W-ETN21	—
		CS1W-EIP21	CS1D-ETN21D	
KEYENCE CORPORATION	Ethernet module	KV-LE20V	KV-LE21V	—
		KV-EP21V NEW		
TOSHIBA CORPORATION	Ethernet module	EN811		—
YASKAWA Electric Corporation	MEMOBUS module Communication module	218IF		JAMSC-IF60
		218IF-01		JAMSC-IF61
		218IF-02 *1		CP-217IF
		218TXB		217IF
Yokogawa Electric Corporation	Ethernet interface module	F3LE01-5T		—
		F3LE11-0T		
		F3LE12-0T		
Siemens AG	Ethernet module	CP243-1	CP343-1 IT	—
		CP243-1 IT	CP343-1 Lean	
		CP343-1	CP443-1	
		CP343-1 Advanced	CP443-1 IT	

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

◆ MODBUS® devices

Communication is possible with devices compatible with MODBUS®/TCP master or MODBUS®/TCP slave connection.

For the MODBUS® devices, which have been checked for operation, please refer to the Technical Bulletin "List of Valid Devices Applicable for GOT2000 Series MODBUS® Connection" (No. GOT-A-0070) on the Mitsubishi Electric Factory Automation Global website.

◆ SLMP devices

Communication with SLMP compatible devices is possible.

For the SLMP devices, which have been checked for operation, please refer to the Technical Bulletin "List of SLMP-compatible Equipment Validated to Operate with the GOT2000 Series" (No. GOT-A-0085) on the Mitsubishi Electric Factory Automation Global website.

◆ OPC UA servers **NEW**

Communication with OPC UA servers is possible.

For the OPC UA servers, which have been checked for operation, please refer to the Technical Bulletin "List of OPC UA Servers Validated to Operate with the GOT2000 Series" (No. GOT-A-0137) on the Mitsubishi Electric Factory Automation Global website.

◆ Microcomputer connection **NEW**

By connecting a personal computer, microcomputer board, programmable controller, etc. to a GOT, the data can be written to or read from virtual devices of the GOT.

Compatibility with conventional products

◆ Compatibility with GOT1000 Series

The following shows the overview of replacing from the GOT1000 Series. For the details, please refer to the following Technical Bulletins and Renewal Guidance.

- Technical Bulletin "Precautions when Replacing GOT1000 Series with GOT2000 Series" No.GOT-A-0061 (GT16, GT15)
- Technical Bulletin "Precautions when Replacing the GT14 Model with GT2505(HS)-VTBD" No.GOT-A-0125 (GT14)
- Technical Bulletin "Precautions when Replacing GT11 Model with GT27 and GT25 Models" No.GOT-A-0145 (GT11)
- Technical Bulletin "Information and precautions on replacing GOT1000 with GOT2000 (GT10 model → GT21 model)" No.HIME-T-P-0137
- Renewal Guidance "GOT1000 Renewal Guidance" L(NA)08327ENG (GT16, GT15) **Coming soon**

Panel cut dimensions

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

GOT1000 Series		GOT2000 Series
15"	GT1695 *1, GT1595 *1	Same dimensions as GT2715.
12.1"	GT1685 *1, GT1585 *1	Same dimensions as GT2712, GT2512.
10.4"	GT167□ *1, GT157□ *1, GT1275 *1	Same dimensions as GT2710, GT2510-V, GT2310.
8.4"	GT166□ *1, GT156□ *1, GT1265 *1	Same dimensions as GT2708, GT2508, GT2308.
5.7"	GT1655 *1, GT155□ *1, GT145□ *2, GT115□ *1, GT105□ *1	Same dimensions as GT2705, GT2505.
3.7"	GT1020 *1	Same dimensions as GT2103. (Although the screen size differs, panel cut dimensions are the same.)

*1 Discontinued product.

*2 To be discontinued product.

Communication units, option units

Communication units and option units for the GT16, GT15, GT12, or GT10 can be used with the GOT2000 Series as-is except for the following devices.

GOT1000 Series		GOT2000 Series	Remarks
Communication unit	RS-422 conversion unit	GT15-RS2T4-9P *1 GT15-RS2T4-25P *1	Use the built-in RS-422/485 interface or GT15-RS4-9S (serial communication unit)
	MELSECNET/10 communication unit	GT15-J71LP23-Z *1 GT15-J71BR13-Z *1	GT15-J71LP23-25 (MELSECNET/H communication unit) GT15-J71BR13 (MELSECNET/H communication unit)
	CC-Link communication unit (CC-Link (ID) Ver.1)	GT15-J61BT13-Z *1	GT15-J61BT13 (CC-Link communication unit)
	Connection conversion adapter	GT10-9PT5S	—
	Ethernet communication unit	GT15-J71E71-100 *1	Use the built-in Ethernet interface or GT25-J71E71-100 (Ethernet communication unit)
Option unit	Multimedia unit	GT16M-MMR *1	GT27-MMR-Z (multimedia unit)
	Video input unit	GT16M-V4 *1 GT15V-75V4 *1	GT27-V4-Z (video input unit)
	RGB input unit	GT16M-R2 *1 GT15V-75R1 *1	GT27-R2 (RGB input unit)
	Video/RGB input unit	GT16M-V4R1 *1 GT15V-75V4R1 *1	GT27-V4R1-Z (video/RGB input unit)
	RGB output unit	GT16M-ROUT *1 GT15V-75ROUT *1	GT27-ROUT (RGB output unit)
	CF card unit	GT15-CFCD *1	—
	CF card extension unit	GT15-CFEX-C08SET *1	—
			A CF card cannot be used with the GOT2000 Series. Use an SD memory card with the built-in SD memory card slot.

*1 Discontinued product.

Cables

<GT16, GT15>

- For the details of using the bus connection cables, RS-232 cables, RS-422 cables, or other cables for GT16 or GT15 with GT27 or GT25, please refer to the Technical Bulletin "Precautions when Replacing GOT1000 Series with GOT2000 Series" No. GOT-A-0061.

<GT14>

- RS-232, RS-422, and other cables being used with GT14 can be used as-is with GT2505-VTBD or GT2505HS-VTBD.

<GT10>

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

Project data

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

* The supported version differs depending on the GOT2000 models.

◆ Compatibility with GOT900 Series

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

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

◆ Compatibility with GOT800, A77GOT, or A64GOT Series

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

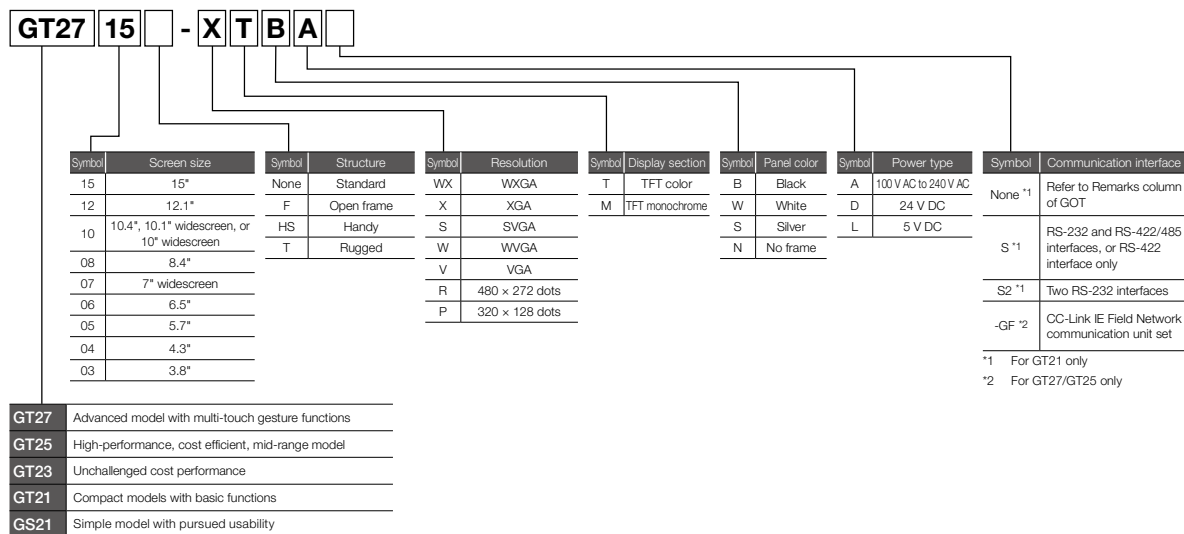
- Technical Bulletin "Precautions when Replacing A800, A77GOT, A64GOT Series with GOT2000 Series" No.GOT-A-0063

For the Technical Bulletins, please refer to the Mitsubishi Electric Factory Automation Global website (www.MitsubishiElectric.com/fa/).

Product List

For the status of conforming to various standards and laws (CE, ATEX, UL/cUL, Class I Division 2, EAC, KC, KCs, and maritime certifications [ABS/BV/DNV GL/LR/NK/RINA]), please refer to the Mitsubishi Electric Factory Automation Global website (www.MitsubishiElectric.com/fa/).

GOT model name



GOTs

Classification		Model	Screen size	Display section Display color	Panel color	Power	Remarks
GT27	GT2715	GT2715-XTBA	15" XGA	TFT color 65536 colors	Black	100 to 240 V AC	Multimedia & Video/RGB compatible Multi-touch compatible
		GT2715-XTBD				24 V DC	
	GT2712	GT2712-STBA	12.1" SVGA		Black	100 to 240 V AC	
		GT2712-STBD				24 V DC	
		GT2712-STWA			100 to 240 V AC		
		GT2712-STWD *1			24 V DC		
	GT2710	GT2710-STBA	10.4" SVGA		Black	100 to 240 V AC	
		GT2710-STBD				24 V DC	
		GT2710-VTBA	100 to 240 V AC				
		GT2710-VTBD	24 V DC				
		GT2710-VTWA	100 to 240 V AC				
		GT2710-VTWD *1	24 V DC				
	GT2708	GT2708-STBA	8.4" SVGA		Black	100 to 240 V AC	
GT2708-STBD		24 V DC					
GT2708-VTBA		100 to 240 V AC					
GT2708-VTBD		24 V DC					
GT2705	GT2705-VTBD	5.7" VGA	Black	24 V DC	Multi-touch compatible		
GT25	GT2512	GT2512-STBA	12.1" SVGA	TFT color 65536 colors	Black	100 to 240 V AC	—
		GT2512-STBD				24 V DC	
		GT2512F-STNA			—	100 to 240 V AC	Open frame model
		GT2512F-STND				24 V DC	
	GT2510	GT2510-VTBA	10.4" VGA		Black	100 to 240 V AC	—
		GT2510-VTBD				24 V DC	
		GT2510-VTWA			100 to 240 V AC		
		GT2510-VTWD *1			24 V DC		
		GT2510F-VTNA			100 to 240 V AC		
		GT2510F-VTND			24 V DC		
	GT2508	GT2508-VTBA	8.4" VGA		Black	100 to 240 V AC	—
		GT2508-VTBD				24 V DC	
		GT2508-VTWA			100 to 240 V AC		
		GT2508-VTWD *1			24 V DC		
		GT2508F-VTNA			100 to 240 V AC		
GT2508F-VTND		24 V DC					
GT2505	GT2505-VTBD	5.7" VGA	Black	24 V DC	—		
GT25 Wide	GT2510	GT2510-WXTBD	10.1" WXGA	TFT color 65536 colors	Black	24 V DC	Wide model
		GT2510-WXTSD			Silver *2		
GT2507	GT2507-WTBD	7" WVGA	Black				
	GT2507-WTSD		Silver *2				
GT25 Handy	GT2506	GT2506HS-VTBD	6.5" VGA	TFT color 65536 colors	Black	24 V DC	Handy GOT
	GT2505	GT2505HS-VTBD	5.7" VGA			24 V DC	
GT25 Rugged	GT2507	GT2507T-WTSD	7" WVGA	TFT color 65536 colors	Silver	24 V DC	Rugged model
GT23	GT2310	GT2310-VTBA	10.4" VGA	TFT color 65536 colors	Black	100 to 240 V AC	—
		GT2310-VTBD				24 V DC	
	GT2308	GT2308-VTBA	8.4" VGA		Black	100 to 240 V AC	
		GT2308-VTBD				24 V DC	

GOTs

Classification		Model	Screen size	Display section Display color	Panel color	Power	Remarks
GT21 Wide	GT2107	GT2107-WTBD	7" WWGA	TFT color 65536 colors	Black	24 V DC	Wide model
		GT2107-WTSD			Silver *2		
GT21	GT2104	GT2104-RTBD	4.3" [480 × 272 dots]	TFT color 65536 colors	Black	24 V DC	Ethernet, RS-422/485, RS-232
	GT2103	GT2103-PMBD	3.8" [320 × 128 dots]	TFT Monochrome (black/white) 32 shade grayscale 5-color LED (white, green, pink, orange, red)	Black	24 V DC	Ethernet, RS-422/485
		GT2103-PMBDS				24 V DC	RS-232, RS-422/485
		GT2103-PMBDS2				24 V DC	RS-232 × 2 channels
		GT2103-PMBLS				5 V DC	RS-422 (FXCPU connection only)
GS21	GS2110	GS2110-WTBD	10" WWGA	TFT color 65536 colors	Black	24 V DC	GOT SIMPLE Series
	GS2107	GS2107-WTBD	7" WWGA		Black		

*1 To comply with the ATEX directive and KCs regulation, protective sheet (GT25-□□PSCC-UC) and special fitting (GT25-□□FIT-EXS) in the "Options" list (page 176) are required separately. (Only protective sheet is required for GT2508-VTWD.) Communication units and option units cannot be used. When using these units, GOT does not conform to the standards. For the details, please refer to the Technical Bulletin "GOT2000 Series in Compliance with the ATEX Directive and KCs Certification Requirements" (No. GOT-A-0101) on the Mitsubishi Electric Factory Automation Global website (www.MitsubishiElectric.com/fa/).

*2 The lower part of the panel including the USB environmental protection cover is black.

GOT + CC-Link IE Field Network communication unit sets

Classification		Model	Screen size	Display section Display color	Panel color	Power	Remarks
GT27	GT2715	GT2715-XBBA-GF	15" XGA	TFT color 65536 colors	Black	100 to 240 V AC	GOT + GT15-J71GF13-T2
		GT2715-XTBD-GF			24 V DC		
	GT2712	GT2712-STBA-GF	12.1" SVGA		Black	100 to 240 V AC	
		GT2712-STBD-GF			24 V DC		
		GT2712-STWA-GF			100 to 240 V AC		
		GT2712-STWD-GF			24 V DC		
	GT2710	GT2710-STBA-GF	10.4" SVGA		Black	100 to 240 V AC	
		GT2710-STBD-GF				24 V DC	
		GT2710-VTBA-GF	100 to 240 V AC				
		GT2710-VTBD-GF	24 V DC				
		GT2710-VTWA-GF	10.4" VGA		White	100 to 240 V AC	
		GT2710-VTWD-GF				24 V DC	
	GT2708	GT2708-STBA-GF	8.4" SVGA		Black	100 to 240 V AC	
		GT2708-STBD-GF				24 V DC	
		GT2708-VTBA-GF	100 to 240 V AC				
		GT2708-VTBD-GF	24 V DC				
	GT2705	GT2705-VTBD-GF	5.7" VGA		Black	24 V DC	
GT25	GT2512	GT2512-STBA-GF	12.1" SVGA	TFT color 65536 colors	Black	100 to 240 V AC	GOT + GT15-J71GF13-T2
		GT2512-STBD-GF			24 V DC		
	GT2510	GT2510-VTBA-GF	10.4" VGA		Black	100 to 240 V AC	
		GT2510-VTBD-GF			24 V DC		
		GT2510-VTWA-GF			100 to 240 V AC		
		GT2510-VTWD-GF			24 V DC		
	GT2508	GT2508-VTBA-GF	8.4" VGA		Black	100 to 240 V AC	
		GT2508-VTBD-GF			24 V DC		
		GT2508-VTWA-GF			100 to 240 V AC		
		GT2508-VTWD-GF			24 V DC		

Product List

Communication units

Product name	Model	Specifications	Supported model							
			GT27	GT25	GT25 Wide	GT25 Rugged	GT23	GT21 Wide	GT21	GS21
Ethernet communication unit *1	GT25-J71E71-100	Data transfer method: 100BASE-TX, 10BASE-T	●	●*11	—	—	—	—	—	—
Serial communication unit	GT15-RS2-9P	RS-232 serial communication unit (D-sub 9-pin male)	●	●*11	—	—	—	—	—	—
	GT15-RS4-9S	RS-422/485 serial communication unit (D-sub 9-pin female) *1 *2	●	●*11	—	—	—	—	—	—
	GT15-RS4-TE	RS-422/485 serial communication unit (terminal block) *1 Can be used only when connected with temperature controllers/indicating controllers by RS-485 connection or at the GOT multi-drop connection	●	●*11	—	—	—	—	—	—
Q bus connection unit	GT15-QBUS	Q bus connection (1 channel) unit standard model	●	●*11	—	—	—	—	—	—
	GT15-QBUS2	Q bus connection (2 channels) unit standard model	●	●*11	—	—	—	—	—	—
	GT15-75QBUSL	Q bus connection (1 channel) unit slim model *3	●	●*11	—	—	—	—	—	—
	GT15-75QBUS2L	Q bus connection (2 channels) unit slim model *3	●	●*11	—	—	—	—	—	—
MELSECNET/H communication unit	GT15-J71LP23-25	Normal station unit (optical loop)	●	●*11	—	—	—	—	—	—
	GT15-J71BR13	Normal station unit (coaxial bus)	●	●*11	—	—	—	—	—	—
CC-Link IE TSN communication unit	GT25-J71GN13-T2 NEW	Slave station (local station) unit	●	●*11	—	—	—	—	—	—
CC-Link IE Controller Network communication unit	GT15-J71GP23-SX	Normal station unit (optical loop)	●	●*11	—	—	—	—	—	—
CC-Link IE Field Network communication unit	GT15-J71GF13-T2	Intelligent device station unit	●	●*11	—	—	—	—	—	—
CC-Link communication unit	GT15-J61BT13	Intelligent device station unit CC-Link Ver. 2 compliant	●	●*11	—	—	—	—	—	—
Field network adapter unit	GT25-FNADP	Supported network: PROFIBUS DP, DeviceNet *4	●	●*11	—	—	—	—	—	—
Wireless LAN communication unit *5	GT25-WLAN	IEEE802.11b/g/n compliant, built-in antenna, wireless LAN access point (base station) *6, station (client), connection to personal computer, tablet, smartphone Compliance with: Japan Radio Law *7, FCC standards *8, RE Directive *13 (R&TTE Directive *9), SRRC *9, KC *9	●	●*11	●	●	—	—	—	—
Serial multi-drop connection unit	GT01-RS4-M	For GOT multi-drop connection	●	●	●	●	●	●	●*10	—
Connection conversion adapter	GT10-9PT5S	For connecting the RS-422/485 (D-Sub 9-pin connector) and RS-422/485 (terminal block)	—	●*12	—	—	—	—	—	—
RS-232/485 signal conversion adapter	GT14-RS2T4-9P	For connecting the RS-232 (D-Sub 9-pin connector) and RS-485 (terminal block)	—	●*12	—	—	—	—	—	—

*1 May not be able to be used depending on the connection target. For details, please refer to the GOT2000 Series Connection Manual.

*2 Cannot be used when connected with temperature controllers or indicating controllers by RS-485 (2-wire type) connection.

*3 Cannot be stacked with other units.

*4 The unit should be used with an Anybus® CompactCom M40 network communication module manufactured by HMS. Please purchase the module by specifying the article number.

Supported network	Communication module product name	Communication module article number
PROFIBUS DP	ABCC-M40-DPV1	AB6910-B, AB6910-C
DeviceNet	ABCC-M40-DEV	AB6909-B, AB6909-C

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

*6 When [Operation Mode] is set to [Access Point] in [Wireless LAN Setting] of GT Designer3, up to five stations are connectable.

*7 The product with hardware version A or later complies with the regulation. The product with hardware version A can be used only in Japan.

*8 The product with hardware version B or later complies with the regulation. The product with hardware version B or later can be used in Japan, the United States, the EU member states, Switzerland, Norway, Iceland, and Liechtenstein.

*9 The product with hardware version D or later complies with the regulation. The product with hardware version D or later can be used in Japan, the United States, the EU member states, Switzerland, Norway, Iceland, Liechtenstein, China (excluding Hong Kong, Macau, Taiwan), and South Korea.

*10 Available to GT2104-RTBD, GT2103-PMBD, and GT2103-PMBDS.

*11 Not available to GT2505-VTBD, GT2506HS-VTBD, and GT2505HS-VTBD.

*12 Only available to GT2505-VTBD.

*13 The product complies with the RE Directive from March 31, 2017.

Communication units for GT25 Handy GOT

Product name	Model	Specifications	Supported model	
			GT2506 Handy	GT2505 Handy
Serial multi-drop connection unit	GT01-RS4-M	For GOT multi-drop connection	●	—
Connection conversion adapter	GT10-9PT5S	For connecting the RS-422/485 (D-Sub 9-pin connector) and RS-422/485 (terminal block)	●*1	—

*1 Usable only when the connector conversion box GT16H-CNB-42S is used.

Option units

Product name	Model	Specifications	Supported model								
			GT27	GT25	GT25 Wide	GT25 Handy	GT25 Rugged	GT23	GT21 Wide	GT21	GS21
Printer unit	GT15-PRN	USB slave (PictBridge) for printer connection, 1 channel Cable for connection between printer unit and printer (3m) included	●	●*3	—	—	—	—	—	—	—
Multimedia unit	GT27-MMR-Z	For video input (NTSC/PAL), 1 channel, recording video/ playing video files	●*1	—	—	—	—	—	—	—	—
Video input unit	GT27-V4-Z	For video input (NTSC/PAL), 4 channels	●*1	—	—	—	—	—	—	—	—
RGB input unit	GT27-R2	For analog RGB input, 2 channels (simultaneous display)	●*1	—	—	—	—	—	—	—	—
Video/RGB input unit	GT27-V4R1-Z	For video input (NTSC/PAL), 4 channels/analog RGB, 1 channel input	●*1	—	—	—	—	—	—	—	—
RGB output unit	GT27-ROUT	For analog RGB output, 1 channel (slim unit)	●*1	—	—	—	—	—	—	—	—
Digital video output unit	GT27-VHOUT	For digital video output, 1 channel HDMI Type A connector	●*1	—	—	—	—	—	—	—	—
Sound output unit	GT15-SOUT	For sound output (ø3.5 stereo pin jack)	●	●*3	—	—	—	—	—	—	—
External I/O unit	GT15-DIOR	For connecting an external I/O device and an operation panel (negative common input, source type output)	●	●*3	—	—	—	—	—	—	—
	GT15-DIO	For connecting an external I/O device and an operation panel (positive common input, sink type output)	●	●*3	—	—	—	—	—	—	—
SD memory card unit	GT21-03SDCD	For mounting an SD memory card	—	—	—	—	—	—	—	●*2	—

*1 Not available to GT2705-VTBD.

*3 Not available to GT2505-VTBD.

*2 Only available to GT2103-PMBD, GT2103-PMBDS, and GT2103-PMBDS2.

Software

Product name	Model	Description	Supported model								
			GT27	GT25	GT25 Wide	GT25 Handy	GT25 Rugged	GT23	GT21 Wide	GT21	GS21
HMI/GOT Screen Design Software MELSOFT GT Works3	SW1DND-GTWK3-E	Standard license product	●	●	●	●	●	●	●	●	●
	SW1DND-GTWK3-EA	Volume license product *1 *9	●	●	●	●	●	●	●	●	●
	SW1DND-GTWK3-EAZ	Additional license product *1 *6	●	●	●	●	●	●	●	●	●
FA Integrated Engineering Software MELSOFT IQ Works *2 *3	SW2DND-IQWK-E	Standard license product	●	●	●	●	●	●	●	●	●
	SW1DND-GTVO-M	Standard license product	●	●*8	●	—	●	—	—	—	—
GT Works Text to Speech License *7	SW1DND-GTSMV-MZ	Standard license product	●	●	●	●	●	—	—	—	—
GT Works3 Add-on License for GOT2000 Enhanced Drive Control (Servo) Project Data *10	GT27-SGTKEY-U	USB port license key	—	—	—	—	—	—	—	—	—
Remote Personal Computer Operation Function (Ethernet) License *5	GT25-PCRAKEY-1	1 license	●	●	●	●	●	—	—	—	—
	GT25-PCRAKEY-5	5 licenses	●	●	●	●	●	—	—	—	—
	GT25-PCRAKEY-10	10 licenses	●	●	●	●	●	—	—	—	—
	GT25-PCRAKEY-20	20 licenses	●	●	●	●	●	—	—	—	—
VNC Server Function License *5	GT25-VNCSKEY-1	1 license	●	●	●	●	●	—	●	—	—
	GT25-VNCSKEY-5	5 licenses	●	●	●	●	●	—	●	—	—
	GT25-VNCSKEY-10	10 licenses	●	●	●	●	●	—	●	—	—
	GT25-VNCSKEY-20	20 licenses	●	●	●	●	●	—	●	—	—
MES I/F Function License *5	GT25-MESIFKEY-1	1 license	●	●	●	●	●	—	—	—	—
	GT25-MESIFKEY-5	5 licenses	●	●	●	●	●	—	—	—	—
	GT25-MESIFKEY-10	10 licenses	●	●	●	●	●	—	—	—	—
	GT25-MESIFKEY-20	20 licenses	●	●	●	●	●	—	—	—	—
GOT Mobile Function License *5	GT25-WEBSKEY-1	1 license	●	●	●	●	●	—	—	—	—
	GT25-WEBSKEY-5	5 licenses	●	●	●	●	●	—	—	—	—
	GT25-WEBSKEY-10	10 licenses	●	●	●	●	●	—	—	—	—
	GT25-WEBSKEY-20	20 licenses	●	●	●	●	●	—	—	—	—

*1 The desired number of licenses (2 or more) can be purchased. For details, please contact your local sales office.

*2 Volume license product and additional license product are also available. For more details, please refer to the MELSOFT IQ Works catalog (LJNA)08232ENG).

*3 The product includes the following software.

- System Management Software [MELSOFT Navigator]
- Motion Controller Engineering Software [MELSOFT MT Works2]
- Robot Engineering Software [MELSOFT RT ToolBox3]
- C Controller Setting and Monitoring Tool [MELSOFT CW Configurator]
- MTSUBISHI ELECTRIC FA Library
- RT ToolBox3 mini (simplified version) will be installed if IQ Works product ID is used. When RT ToolBox3 (with simulation function) is required, please purchase RT ToolBox3.
- Programmable Controller Engineering Software [MELSOFT GX Works3, GX Works2, GX Developer]
- HMI/GOT Screen Design Software [MELSOFT GT Works3]
- Inverter Setup Software [MELSOFT FR Configurator2]
- Servo Setup Software [MELSOFT MR Configurator2]

*4 To use GT SoftGOT2000, a license key for GT SoftGOT2000 is necessary for each personal computer.

*5 1 license is required for 1 GOT unit.

*6 This product does not include the DVD-ROM. Only the license certificate with the product ID No. is issued.

*7 To edit sound files, each personal computer requires one license.

*8 GT2505-VTBD does not support the sound output function.

*9 Volume license product is not sold separately and should be purchased with the standard license product.

*10 Each personal computer requires an add-on license.

Application package

Product name	Model	Description	Supported model								
			GT27	GT25	GT25 Wide	GT25 Handy	GT25 Rugged	GT23	GT21 Wide	GT21	GS21
iQ Monozukuri Process Remote Monitoring *1	AP30-PRM001AA-MA	1 license	●	●	●	●	●	●	●	●*2	●
	AP30-PRM001AA-MB	5 licenses	●	●	●	●	●	●	●	●*2	●
	AP30-PRM001AA-MC	10 licenses	●	●	●	●	●	●	●	●*2	●
iQ Monozukuri ANDON *3	AP30-ADN001AA-MA	1 license	●	●	●	●	●	—	—	—	—
	AP30-ADN001AA-MB	5 licenses	●	●	●	●	●	—	—	—	—
	AP30-ADN001AA-MC	10 licenses	●	●	●	●	●	—	—	—	—
	AP30-ADN001AA-MD	15 licenses	●	●	●	●	●	—	—	—	—
	AP30-ADN001AA-ME	20 licenses	●	●	●	●	●	—	—	—	—

*1 Process Remote Monitoring setting tool, iQ Monozukuri Process Remote Monitoring template project for GT SoftGOT2000, and the Process Remote Monitoring license are included.

*2 Supported by GT2104-RTBD and GT2103-PMBD only.

*3 Contents Publisher, project file of the GOT for iQ Monozukuri ANDON (template screens), GOT Mobile function license, and the iQ Monozukuri ANDON license are included.

Product List

Options

Product name	Model	Specifications	Supported model							
			GT27	GT25	GT25 Wide	GT25 Rugged	GT23	GT21 Wide	GT21	GS21
Protective sheet *1	GT27-15PSGC	For 15"	●	—	—	—	—	—	—	—
	GT25-12PSGC	For 12.1"	●	●	—	—	—	—	—	—
	GT25-10PSGC	For 10.4"	●	●	—	—	—	—	—	—
	GT25-08PSGC	For 8.4"	●	●	—	—	—	—	—	—
	GT25-05PSGC	For 5.7"	●	—	—	—	—	—	—	—
	GT25-05PSGC-2	For 5.7"	—	●	—	—	—	—	—	—
	GT25-10WPSGC	For 10.1" wide models	—	—	●	—	—	—	—	—
	GT21-07WPSGC	For 7" wide models	—	—	●	—	—	●	—	—
	GT27-15PSCC	For 15"	●	—	—	—	—	—	—	—
	GT25-12PSCC	For 12.1"	●	●	—	—	—	—	—	—
	GT25-10PSCC	For 10.4"	●	●	—	—	—	—	—	—
	GT25-08PSCC	For 8.4"	●	●	—	—	—	—	—	—
	GT25-05PSCC	For 5.7"	●	—	—	—	—	—	—	—
	GT25-05PSCC-2	For 5.7"	—	●	—	—	—	—	—	—
	GT25-10WPSCC	For 10.1" wide models	—	—	●	—	—	—	—	—
	GT21-07WPSCC	For 7" wide models	—	—	●	—	—	●	—	—
	GT25-12PSCC-UC *9	For 12.1"	● *9	●	—	—	—	—	—	—
	GT25-10PSCC-UC *9	For 10.4"	● *9	● *9	—	—	●	—	—	—
	GT25-08PSCC-UC *9	For 8.4"	●	● *9	—	—	●	—	—	—
	GT21-04RPSGC-UC	For 4.3"	—	—	—	—	—	—	●	—
UV protective sheet (for the rugged model) *13	GT25T-07WPSVC	For 7" rugged model	—	—	—	●	—	—	—	—
	GT25F-12ESGS	For 12.1"	—	● *7	—	—	—	—	—	—
Environmental protection sheet (for the open frame model)	GT25F-10ESGS	For 10.4"	—	● *7	—	—	—	—	—	—
	GT25F-08ESGS	For 8.4"	—	● *7	—	—	—	—	—	—
USB environmental protection cover	GT25-UCOV	For 15"/12.1"/10.4"/8.4"	●	●	—	—	—	—	—	—
	GT25-05UCOV	For 5.7"	●	—	—	—	—	—	—	—
	GT21-WUCOV	For 10.1" wide models/7" wide models/5.7"	—	●	●	—	—	●	—	—
Protective cover for oil *3	GT20-15PCO	For 15"	●	—	—	—	—	—	—	—
	GT20-12PCO	For 12.1"	●	●	—	—	—	—	—	—
	GT20-10PCO	For 10.4"	●	●	—	—	●	—	—	—
	GT21-10WPCO	For 10.1" wide models	—	—	●	—	—	—	—	—
	GT20-08PCO	For 8.4"	●	●	—	—	●	—	—	—
	GT21-07WPCO	For 7" wide models	—	—	●	—	—	—	—	—
	GT25T-07WPCO*14	For 7" rugged model	—	—	—	●	—	—	—	—
	GT25-05PCO	For 5.7"	●	—	—	—	—	—	—	—
	GT25-05PCO-2	For 5.7"	—	●	—	—	—	—	—	—
Stand	GT21-04RPCO	For 4.3"	—	—	—	—	—	—	●	—
	GT10-20PCO	For 3.8"	—	—	—	—	—	—	●	—
	GT15-90STAND	For 15"	●	—	—	—	—	—	—	—
	GT15-80STAND	For 12.1"	●	●	—	—	—	—	—	—
	GT15-70STAND	For 10.4"/8.4"	●	●	—	—	●	—	—	—
	GT25-10WSTAND	For 10.1" wide models	—	—	●	—	—	—	—	—
	GT21-07WSTAND	For 7" wide models	—	—	●	—	—	●	—	—
	GT25T-07WSTAND	For 7" rugged model	—	—	—	●	—	—	—	—
	GT05-50STAND	For 5.7"	●	●	—	—	—	—	—	—

Options

Product name		Model	Specifications	Supported model								
				GT27	GT25	GT25 Wide	GT25 Rugged	GT23	GT21 Wide	GT21	GS21	
Memory card	SD memory card	NZ1MEM-2GBSD	SD memory card for GOT, 2 GB	●	●	●	●	●	●	●	●	
		NZ1MEM-4GBSD	SDHC memory card for GOT, 4 GB	●	●	●	●	●	●	●	●	
		NZ1MEM-8GBSD	SDHC memory card for GOT, 8 GB	●	●	●	●	●	●	●	●	
		NZ1MEM-16GBSD	SDHC memory card for GOT, 16 GB	●	●	●	●	●	●	●	●	
	CF card	GT05-MEM-128MC	CF card for GT27-MMR-Z, 128 MB	●	—	—	—	—	—	—	—	
		GT05-MEM-256MC	CF card for GT27-MMR-Z, 256 MB	●	—	—	—	—	—	—	—	
		GT05-MEM-512MC	CF card for GT27-MMR-Z, 512 MB	●	—	—	—	—	—	—	—	
		GT05-MEM-1GC	CF card for GT27-MMR-Z, 1 GB	●	—	—	—	—	—	—	—	
		GT05-MEM-2GC	CF card for GT27-MMR-Z, 2 GB	●	—	—	—	—	—	—	—	
		GT05-MEM-4GC	CF card for GT27-MMR-Z, 4 GB	●	—	—	—	—	—	—	—	
		GT05-MEM-8GC	CF card for GT27-MMR-Z, 8 GB	●	—	—	—	—	—	—	—	
		GT05-MEM-16GC	CF card for GT27-MMR-Z, 16 GB	●	—	—	—	—	—	—	—	
Memory card adaptor		GT05-MEM-ADPC	Conversion adapter from CF card for GT27-MMR-Z to memory card (TYPE II)	●	—	—	—	—	—	—		
Attachment *11		GT15-70ATT-98	For 10.4"	For replacing GT168□, GT158□, A985GOT *4	●	●	—	—	●	—	—	—
		GT15-70ATT-87		For replacing A870GOT-SWS/TWS or A8GT-70GOT-TB/TW/SB/SW	●	●	—	—	●	—	—	—
		GT15-60ATT-97	For 8.4"	For replacing GT167□, GT157□, A97□GOT	●	●	—	—	●	—	—	—
		GT15-60ATT-96		For replacing A960GOT	●	●	—	—	●	—	—	—
		GT15-60ATT-87		For replacing A870GOT-EWS, A8GT-70GOT-EB/EW, A77GOT-EL, A77GOT-EL-S5/S3	●	●	—	—	●	—	—	—
		GT15-60ATT-77		For replacing A77GOT-CL, A77GOT-CL-S5/S3, A77GOT-L, A77GOT-L-S5/S3	●	●	—	—	●	—	—	—
		GT15-50ATT-95W	For 5.7"	For replacing A956WGOT, F940WGOT	●	●	—	—	—	—	—	—
		GT15-50ATT-85		For replacing A85□GOT	●	●	—	—	—	—	—	—
				GT21-04RATT-40	For 4.3"	For replacing GT104□	—	—	—	—	—	●*8
Battery		GT11-50BAT	Battery for backup of SRAM data, clock data, and system status log data *6.	● (For replacement)	●*12 (For replacement)	● (For replacement)	● (For replacement)	● (Option)	● (For replacement)	●*5 (For replacement)	—	
Special fitting *9		GT25-12FIT-EXS	For 12.1"	For compliance with the ATEX directive and KCs regulation	●*9	—	—	—	—	—	—	
		GT25-10FIT-EXS	For 10.4"		●*9	●*9	—	—	—	—	—	

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

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

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

^{*4} Including the GP250□ and GP260□ manufactured by Schneider Electric Japan Holdings Ltd.

^{*5} GT2103-PMBD, GT2103-PMBDS, GT2103-PMBDS2, and GT2103-PMBLS do not have a built-in battery.

^{*6} GT21 does not support the system status log data backup function.

^{*7} GT2512F-STNA, GT2512F-STND, GT2510F-VTNA, GT2510F-VTND, GT2508F-VTNA, and GT2508F-VTND only.

^{*8} Only available to GT2104-RTBD.

^{*9} Necessary for the GOT to comply with the ATEX directive and KCs regulation. For applicable GOT models, please refer to the Mitsubishi Electric Factory Automation Global website (www.MitsubishiElectric.com/fa/).

^{*10} The protective sheet is shaped not to cover the USB environmental protection cover.

^{*11} An attachment is usable when the control panel has a thickness of 2 to 3 mm. When an attachment is used, the GOT is not IP67F-rated.

^{*12} Cannot be used with GT2506HS-VTBD.

^{*13} The UV protective sheet for the rugged model does not comply with IP66F and IP67F.

^{*14} The protective cover for oil for the rugged model does not comply with IP66F.

Options for GT25 Handy GOT

Product name	Model	Specifications	Supported model	
			GT2506 Handy	GT2505 Handy
Protective sheet	GT16H-60PSC	For 6.5"	●	—
	GT14H-50PSC	For 5.7"	—	●
Emergency stop switch guard cover	GT16H-60ESCOV	For 6.5"	●	—
	GT14H-50ESCOV	For 5.7"	—	●
Connector conversion box	GT16H-CNB-42S	For converting the Handy GOT signals into individual signals for the terminal block, D-sub connector, and Ethernet RJ-45.	●	● ^{*1}
	GT16H-CNB-37S	For converting the Handy GOT signals into individual signals for the terminal block and Ethernet RJ-45.	●	●
	GT11H-CNB-37S	For converting the Handy GOT signals into individual signals for the terminal block and D-sub connector.	—	●
Wall-mounting attachment for Handy GOT	GT14H-50ATT	For GT2505 Handy GOT	—	●
SD memory card	NZ1MEM-2GBSD	SD memory card for GOT, 2 GB	●	●
	NZ1MEM-4GBSD	SDHC memory card for GOT, 4 GB	●	●
	NZ1MEM-8GBSD	SDHC memory card for GOT, 8 GB	●	●
	NZ1MEM-16GBSD	SDHC memory card for GOT, 16 GB	●	●
Battery	GT15-BAT	Battery for backup of SRAM data, clock data, and system status log data (for replacement)	●	—
	GT11-50BAT		—	●

^{*1} Only Ethernet connection is supported. Serial communication connection is not supported.

Product List

Cables

Product name		Model	Cable length	Recommended product ¹	Specifications	Supported model ¹⁶										
						GT27	GT25	GT25 Wide	GT25 Rugged	GT23	GT21 Wide	GT21	GS21			
QCPU bus connection cable	QCPU connection cable GOT-to-GOT connection cable	GT15-QC06B	0.6 m	○	QCPU ⇔ GOT GOT ⇔ GOT	●	● ^{*13}	—	—	—	—	—	—			
		GT15-QC12B	1.2 m													
		GT15-QC30B	3 m													
		GT15-QC50B	5 m													
		GT15-QC100B	10 m													
	QCPU connection cable GOT-to-GOT connection cable (long distance)	GT15-QC150BS	15 m	○	For connecting the QCPU and GOT (long distance), A9GT-QCNB is required For connecting the GOT and GOT (long distance)	●	● ^{*13}	—	—	—	—	—	—			
		GT15-QC200BS	20 m													
		GT15-QC250BS	25 m													
GT15-QC300BS		30 m														
	GT15-QC350BS	35 m														
Bus extension connector box		A9GT-QCNB	—	—	Connect the connector box to the main base unit of PLC when connecting the QCPU and GOT (long distance).	●	● ^{*13}	—	—	—	—	—	—			
Bus connection cable ferrite core		GT15-QFC	—	○	Attach a ferrite core to the GOT-A900 bus connection cable when an existing GOT-A900 is replaced with a GOT2000. (two ferrite cores/set)	●	● ^{*13}	—	—	—	—	—	—			
RS-485 terminal block conversion unit		FA-LTBGT2R4CBL05	0.5 m	○	RS-485 terminal block conversion unit With a cable for connecting RS-422/485 (connector) of GOT2000 and a RS-485 terminal block conversion unit	●	● ^{*13}	●	●	—	—	—	—			
		FA-LTBGT2R4CBL10	1 m													
		FA-LTBGT2R4CBL20	2 m													
RS-422 conversion cable		FA-CNV2402CBL	0.2 m	○	For connecting the QCPU/L02SCPU(-P) and the RS-422 cable (GT01-C□R4-25P, GT10-C□R4-25P, GT21-C□R4-25P5) For connecting the L6ADP-R2 and the RS-422 cable (GT01-C□R4-25P, GT10-C□R4-25P, GT21-C□R4-25P5) [MINI-DIN 6-pin ⇔ D-sub 25-pin]	●	●	●	●	●	● ^{*12}	●				
		FA-CNV2405CBL	0.5 m													
RS-422 cable	QnA/A/FXCPU direct connection cable	GT01-C30R4-25P	3 m	—	For connecting a QnA/ACPU/motion CPU (A series)/FXCPU and the GOT For connecting an RS-422 connector conversion cable (FA-CNV□CBL) and the GOT For connecting a serial communication module and the GOT For connecting a peripheral connection module (AJ65BT-G4-S3) and the GOT [D-sub 25-pin ⇔ D-sub 9-pin]	●	●	●	●	●	●	● ^{*3 7}	●			
		GT01-C100R4-25P	10 m													
		GT01-C200R4-25P	20 m													
		GT01-C300R4-25P	30 m													
		GT10-C30R4-25P	3 m	—	For connecting a QnA/ACPU/FXCPU/motion CPU (A series) and the GOT For connecting an RS-422 connector conversion cable (FA-CNV□CBL) and the GOT For connecting a serial communication module and the GOT For connecting a peripheral connection module (AJ65BT-G4-S3) and the GOT [D-sub 25-pin ⇔ separate wire (connector terminal block 9-pin)]	—	—	—	—	—	—	● ^{*10}	—			
		GT10-C100R4-25P	10 m													
		GT10-C200R4-25P	20 m													
		GT10-C300R4-25P	30 m													
		Computer link connection cable	GT21-C30R4-25P5	3 m	—	For connecting a QnACPU and the GOT For connecting an RS-422 connector conversion cable (FA-CNV□CBL) and the GOT For connecting a serial communication module and the GOT For connecting a peripheral connection module (AJ65BT-G4-S3) and the GOT [D-sub 25-pin ⇔ separate wire (connector terminal block 5-pin)] * GT2103-FMBD cannot be connected to Q00JCPU, Q00CPU, Q01CPU, A Series, or FX1/FX2 Series.	—	—	—	—	—	—	—	● ^{*2}	—	
			GT21-C100R4-25P5	10 m												
	GT21-C200R4-25P5		20 m													
	GT21-C300R4-25P5		30 m													
	Computer link connection cable	GT09-C30R4-6C	3 m	○	For connecting a serial communication module and the GOT For connecting a computer link module and the GOT [separate wire ⇔ D-sub 9-pin]	●	●	●	●	●	●	● ^{*3 7}	●			
		GT09-C100R4-6C	10 m													
		GT09-C200R4-6C	20 m													
		GT09-C300R4-6C	30 m													
		GT01-C10R4-8P	1 m	—	For connecting the FXCPU and GOT For connecting the FXCPU communication expansion board and GOT [MINI-DIN 8-pin ⇔ D-sub 9 pin]	●	●	●	●	●	●	● ^{*3 7}	●			
		GT01-C30R4-8P	3 m													
		GT01-C100R4-8P	10 m													
		GT01-C200R4-8P	20 m													
		GT01-C300R4-8P	30 m	—	For connecting the FXCPU and GOT For connecting the FXCPU communication expansion board and GOT [MINI-DIN 8-pin ⇔ separate wire (connector terminal block 9-pin)]	—	—	—	—	—	—	—	● ^{*4}	—		
		GT10-C10R4-8P	1 m													
	GT10-C30R4-8P	3 m														
	GT10-C100R4-8P	10 m														
	FXCPU direct connection cable	GT10-C200R4-8P	20 m	—	For connecting the FXCPU and GOT For connecting the FXCPU communication expansion board and GOT [MINI-DIN 8-pin ⇔ separate wire (connector terminal block 9-pin)] * This cable cannot be used for FX1NC, FX2NC, FX3UC-D/DSS, FX3G, FX3GC, or FX3S.	—	—	—	—	—	—	—	● ^{*4}	—		
		GT10-C300R4-8P	30 m													
		GT21-C10R4-8P5	1 m			—	For connecting the FXCPU and GOT For connecting the FXCPU communication expansion board and GOT [MINI-DIN 8-pin and separate wire (connector terminal block 5-pin)]	—	—	—	—	—	—	—	● ^{*2}	—
		GT21-C30R4-8P5	3 m													
		GT21-C100R4-8P5	10 m													
		GT21-C200R4-8P5	20 m													
		GT21-C300R4-8P5	30 m													
		FXCPU communication expansion board connection cable	GT10-C10R4-8PL	1 m	—	For connecting the FXCPU and GOT For connecting the FXCPU communication expansion board and GOT [MINI-DIN 8-pin ⇔ separate wire (connector terminal block 9-pin)] * This cable cannot be used for FX1NC, FX2NC, FX3UC-D/DSS, FX3G, FX3GC, or FX3S.	—	—	—	—	—	—	—	● ^{*4}	—	
	GT10-C10R4-8PC		1 m	—	For connecting the FXCPU and GOT For connecting the FXCPU communication expansion board and GOT [MINI-DIN 8-pin ⇔ connector terminal block 9-pin with separate wire connected]	—	—	—	—	—	—	—	—	● ^{*4}	—	
	GT10-C30R4-8PC		3 m													
	GT10-C100R4-8PC		10 m													
GT10-C200R4-8PC	20 m															
GT10-C300R4-8PC	30 m															
RS-422 connector conversion cable			GT10-C02H-9SC	0.2 m	—	For connecting a PLC and the GOT [D-sub 9-pin ⇔ separate wire (connector terminal block 9-pin)]	—	—	—	—	—	—	—	● ^{*10}	—	

Cables

Product name		Model	Cable length	Recommended product ^{*1}	Specifications	Supported model ^{*16}							
						GT27	GT25	GT25 Wide Rugged	GT23	GT21 Wide	GT21	GS21	
RS-232 cable	Q/LCPU direct connection cable	GT01-C30R2-6P	3 m	—	For connecting the Q/LCPU and GOT For connecting L6ADP-R2 and GOT/personal computer (GT SoftGOT2000) [MINI-DIN 6-pin ↔ D-sub 9-pin]	●	●	●	●	●	●	● ^{*5}	●
		GT10-C30R2-6P	3 m	—	For connecting the Q/LCPU and GOT [MINI-DIN 6-pin ↔ separate wire (connector terminal block 9-pin)]	—	—	—	—	—	● ^{*6}	—	—
					For connecting multiple GOTs [MINI-DIN 6-pin ↔ separate wire (connector terminal block 9-pin)]	—	—	—	—	—	● ^{*11}	—	—
	FXCPU communication expansion board connection cable	GT01-C30R2-9S	3 m	—	For connecting the FXCPU communication expansion board and GOT/personal computer (GT SoftGOT2000) For connecting an FXCPU communication special adapter and GOT/personal computer (GT SoftGOT2000) [D-sub 9-pin ↔ D-sub 9-pin]	●	●	●	●	●	●	● ^{*5}	●
						●	●	●	●	●	●	● ^{*5}	●
	Computer link connection cable	GT09-C30R2-9P	3 m	○	For connecting a serial communication module and the GOT For connecting a computer link module and the GOT For connecting a peripheral connection module (AJ65BT-R2N) and the GOT [D-sub 9-pin ↔ D-sub 9-pin]	●	●	●	●	●	●	● ^{*5}	●
	CC-Link (G4) connection cable	GT09-C30R2-25P	3 m	○	For connecting a serial communication module and the GOT For connecting a computer link module and the GOT [D-sub 25-pin ↔ D-sub 9-pin]	●	●	●	●	●	●	● ^{*5}	●
	Computer link connection cable	GT10-C02H-6PT9P	0.2 m	—	For connecting a PLC and the GOT For connecting multiple GOTs For connecting a barcode reader, RFID, or serial printer and the GOT [D-sub 9-pin ↔ MINI-DIN 6-pin]	—	—	—	—	—	● ^{*11}	—	—
	RS-232 connector conversion cable	GT01-C30R2-6P	3 m	—	For connecting the GOT and a personal computer [MINI-DIN 6-pin ↔ D-sub 9-pin] * This cable is usable for the FA transparent function only, and cannot be used to transfer screen or OS data.	—	—	—	—	—	● ^{*11}	—	—
	Data transfer cable	GT15-C03HTB	0.3 m	○	For connecting an external I/O unit (GT15-DIO) and external I/O interface unit (A8GT-C05TK, A8GT-C30TB, user-fabricated cable) for GOT-A900	●	● ^{*13}	—	—	—	—	—	—
Conversion cable for connecting external I/O unit		GT15-C50VG	5 m	○	For connecting an RGB image output device (external monitor, personal computer, or others) and the GOT	●	—	—	—	—	—	—	—
Analog RGB cable		GT09-C30USB-5P	3 m	○	For connecting a personal computer (screen design software) and the GOT For connecting a personal computer (GT SoftGOT2000) and QnU/L/FXCPU For connecting a PictBridge-compatible printer and printer unit (GT15-PRN) [USB-A ↔ USB Mini-B]	●	●	●	●	● ^{*9}	● ^{*9}	●	●
USB cable	Data transfer cable Printer connection cable	GT14-C10EXUSB-4S	1 m	—	For routing the USB port (host) of the GOT rear face to the front side of the control panel	●	●	●	● ^{*17}	—	●	—	—
		GT10-C10EXUSB-5S	1 m	—	For routing the USB port (device) of the GOT rear face to the front side of the control panel	● ^{*14}	● ^{*14}	—	● ^{*17}	—	—	● ^{*15}	—

^{*1} FA-LTBGT2R4CBL□, FA-CNV240□CBL are developed by Mitsubishi Electric Engineering Company Limited and sold through your local sales office. The other products listed are developed by Mitsubishi Electric Systems & Service Co., LTD. and sold through your local sales office.

^{*2} This cable is usable for GT2103-PMBD.

^{*3} This cable is usable for GT2104-RTBD, GT2103-PMBDS.

^{*4} This cable is usable for GT2104-RTBD, GT2103-PMBDS, GT2103-PMBLS. For GT2103-PMBLS, use a 3 m or shorter cable.

^{*5} This cable is usable for GT2103-PMBDS, GT2103-PMBDS2.

^{*6} This cable is usable for GT2104-RTBD, GT2103-PMBDS2.

^{*7} GT2104-RTBD, GT2103-PMBDS is possible to correspond by combining the GT10-C02H-9SC type RS-422 connector conversion cable.

^{*8} GT2103-PMBDS, GT2103-PMBDS2 is possible to correspond by combining the GT10-C02H-6PT9P type RS-232 connector conversion cable.

^{*9} This cable is not usable for the printer connection.

^{*10} This cable is usable for GT2104-RTBD, GT2103-PMBDS.

^{*11} This cable is usable for GT2103-PMBDS, GT2103-PMBDS2.

^{*12} This cable is usable for GT2104-RTBD, GT2103-PMBD, GT2103-PMBDS.

^{*13} This cable is not usable for GT2505-VTBD.

^{*14} This cable is usable for GT2712-STWA, GT2712-STWD, GT2710-VTWA, GT2710-VTWD, GT2512F-STNA, GT2512F-STND, GT2510-VTWA, GT2510-VTWD, GT2510F-VTNA, GT2510F-VTND, GT2508-VTWA, GT2508-VTWD, GT2508F-VTNA, GT2508F-VTND.

^{*15} This cable is usable for GT2104-RTBD, GT2103-PMBD, GT2103-PMBDS, GT2103-PMBDS2, GT2103-PMBLS.

^{*16} Note that the usable connection types and cables differ depending on the GOT model. For the details, please refer to the GOT2000 Series Connection Manual.

^{*17} When using a rugged model, the panel-mounted USB port extension does not comply with IP66F.

Product List

Cables for GT25 Handy GOT

Product name		Model	Cable length	Recommended product ¹	Specifications	Supported model	
						GT2506 Handy	GT2505 Handy
External connection cable (to connect the connector conversion box)		GT16H-C30-42P	3 m	—	For connection between the Handy GOT and the connector conversion box (GT16H-CNB-42S)	●	—
		GT16H-C60-42P	6 m	—		●	—
		GT16H-C100-42P	10 m	—		●	—
		GT16H-C30-37PE	3 m	—	For connection between the Handy GOT and the connector conversion box (GT16H-CNB-37S)	●	—
		GT16H-C60-37PE	6 m	—		●	—
		GT16H-C100-37PE	10 m	—		●	—
		GT14H-C30-42P	3 m	—	For connection between the Handy GOT and the connector conversion box (GT16H-CNB-42S)	—	●
		GT14H-C60-42P	6 m	—		—	●
		GT14H-C100-42P	10 m	—		—	●
External connection cable (to connect the connector conversion box or relay cable) ²		GT11H-C30-37P	3 m	—	For connection between the Handy GOT and the connector conversion box (GT16H-CNB-37S and GT11H-CNB-37S) For connection between the Handy GOT and the relay cable (GT11HC15R□-□P)	—	●
		GT11H-C60-37P	6 m	—		—	●
		GT11H-C100-37P	10 m	—		—	●
External connection cable (to connect separate wire) ²		GT11H-C30	3 m	—	For connection between the Handy GOT and the FA device, the power supply, or the operation switch	—	●
		GT11H-C60	6 m	—		—	●
		GT11H-C100	10 m	—		—	●
Relay cable (to connect the external connection cable and a programmable controller) ²		GT11H-C15R4-8P	1.5 m	—	For connecting to a programmable controller	—	●
		GT11H-C15R4-25P	1.5 m	—		—	●
		GT11H-C15R2-6P	1.5 m	—		—	●
RS-422 conversion cable		FA-CNV2402CBL	0.2 m	○	For connecting the QCPU/L02SCPU(-P) and the RS-422 cable (GT01-C□R4-25P, GT10-C□R4-25P, GT21-C□R4-25P5) For connecting the L6ADP-R2 and the RS-422 cable (GT01-C□R4-25P, GT10-C□R4-25P, GT21-C□R4-25P5) [MINI-DIN 6-pin ↔ D-sub 25-pin]	●	●
		FA-CNV2405CBL	0.5 m			●	●
RS-422 cable ³	QnA/FXCPU direct connection cable	GT01-C30R4-25P	3 m	—	For connecting the QnA/ACPU/motion CPU (A series)/FXCPU and the GOT For connecting the RS-422 connector conversion cable (FA-CNV□CBL) and the GOT	●	●
		GT01-C100R4-25P	10 m			●	●
	Computer link connection cable CC-Link (G4) connection cable	GT09-C30R4-6C	3 m	○	For connecting the serial communication module and the GOT For connecting the peripheral connection module (AJ65BT-G4-S3) and the GOT [D-sub 25-pin ↔ D-sub 9-pin]	●	●
		GT09-C100R4-6C	10 m			●	●
	FXCPU direct connection cable FXCPU communication expansion board connection cable	GT01-C10R4-8P	1 m	—	For connecting the FXCPU and GOT For connecting the FXCPU communication expansion board and GOT [MINI-DIN 8-pin ↔ D-sub 9-pin]	●	●
		GT01-C30R4-8P	3 m			●	●
		GT01-C100R4-8P	10 m			●	●
	Computer link connection cable	GT09-C30R2-25P	3 m	○	For connecting a serial communication module and GOT For connecting a computer link module and GOT [D-sub 25-pin ↔ D-sub 9-pin]	●	●
RS-232 cable	Q/LCPU direct connection cable	GT11H-C30R2-6P	3 m	—	For connecting a QCPU or LCPU and the connector conversion box for Handy GOT (GT11H-CNB-37S/GT16H-CNB-42S)	●	●
	FXCPU communication expansion board connection cable	GT01-C30R2-9S	3 m	—	For connecting the FXCPU communication expansion board and GOT/ personal computer (GT SoftGOT2000)	●	●
	FXCPU communication special adapter connection cable				For connecting an FXCPU communication special adapter and GOT/ personal computer (GT SoftGOT2000) [D-sub 9-pin ↔ D-sub 9-pin]		
	FXCPU communication special adapter connection cable	GT01-C30R2-25P	3 m	—	For connecting an FXCPU communication special adapter and GOT/ personal computer (GT SoftGOT2000) [D-sub 25-pin ↔ D-sub 9-pin]	●	●
	Computer link connection cable CC-Link (G4) connection cable	GT09-C30R2-9P	3 m	○	For connecting a serial communication module and GOT For connecting a computer link module and GOT For connecting the peripheral connection module (AJ65BT-R2N) and GOT [D-sub 9-pin ↔ D-sub 9-pin]	●	●
	Computer link connection cable	GT09-C30R2-25P	3 m	○	For connecting a serial communication module and GOT For connecting a computer link module and GOT [D-sub 25-pin ↔ D-sub 9-pin]	●	●
USB cable	Data transfer cable Printer connection cable	GT09-C30USB-5P	3 m	○	For connecting a personal computer (screen design software) and GOT For connecting a personal computer (GT SoftGOT2000) and QnU/L/ FXCPU For connecting a PictBridge-compatible printer and printer unit (GT15-PRN) [USB-A ↔ USB Mini-B]	●	●

¹ The products listed are developed by Mitsubishi Electric Systems & Service Co., LTD. and sold through your local sales office.

² Use the cable version C or later.

³ The total length of the cables between the Handy GOT and a controller includes the length of an external cable. A cable of 20 m or longer cannot be used for GT2506HS-VTBD and GT2505HS-VTBD.

Cables for non-Mitsubishi FA products

RS-232 and RS-422 cables are available from every manufacturer. For more details, please refer to the Mitsubishi Electric Factory Automation Global website (www.MitsubishiElectric.com/fa/) or the GOT2000 Series Connection Manual.

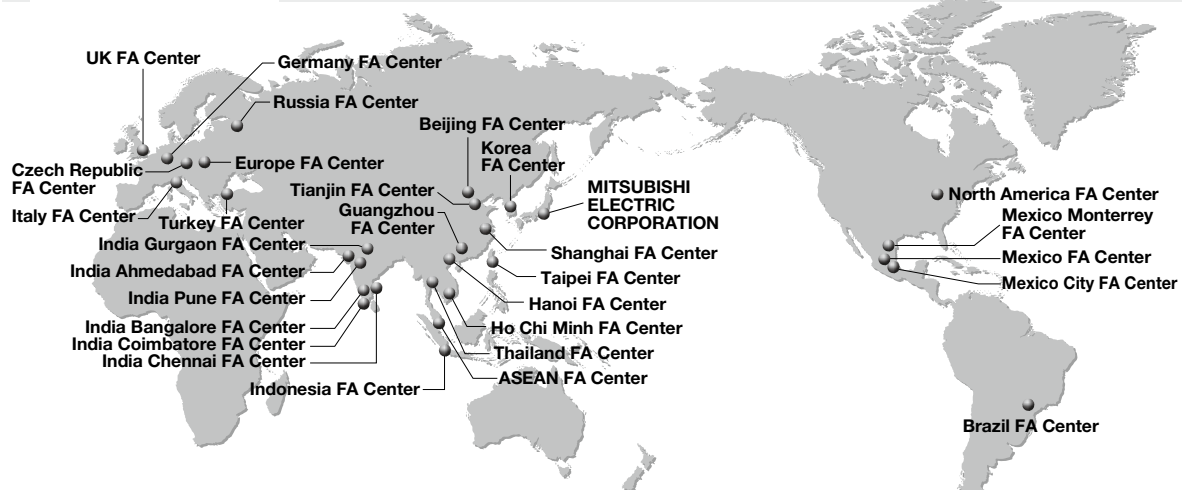
Manuals

Manual name	Manual number
GOT2000 Series User's Manual (Hardware)	SH-081194ENG
GOT2000 Series User's Manual (Utility)	SH-081195ENG
GOT2000 Series User's Manual (Monitor)	SH-081196ENG
GOT2000 Series Connection Manual (Mitsubishi Products) For GT Works3 Version1	SH-081197ENG
GOT2000 Series Handy GOT Connection Manual For GT Works3 Version1	SH-081867ENG
GOT SIMPLE Series User's Manual	JY997D529011
GT Designer3 (GOT2000) Screen Design Manual	SH-081220ENG

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◆ Approval standards

Mitsubishi's products comply with various standards and laws.

Mitsubishi's products also comply with various international standards including UL standards, and maritime certifications.

<International standards>

Mark	Overview	Country/Region
CE	EMC Directive harmonized standards, Low Voltage Directive harmonized standards, RoHS Directive harmonized standards	Europe
Ex	ATEX Directive harmonized standards	Europe
UL	Safety standards Class I, Division 2	United States
cUL	Safety standards Class I, Division 2	Canada
EAC	Technical Regulations on EMC, Technical Regulations on safety of low voltage equipment	Eurasian Economic Union (Russia, Belarus, Kazakhstan, etc.)
KC	EMC standards	Korea
KCs	Safety standards	Korea

<Maritime certifications>

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

For the details on the approval model within each standard, please refer to the Mitsubishi Electric Factory Automation Global website (www.MitsubishiElectric.com/fa/).

Factory Automation Global website

www.MitsubishiElectric.com/fa/

Mitsubishi Electric Factory Automation provides a mix of services to support its customers worldwide, through a consolidated global website. In addition to documents such as catalogs, manuals, and technical bulletins, the latest information about GOT will be posted on the website as soon as it becomes available.

Factory Automation Global website



Industrial Computer MELIPIC

The information about MELIPIC MI3000 can be viewed from here.

Download

Various documents such as catalogs, manuals, and technical bulletins can be downloaded.

Human-Machine Interfaces (HMIs)-GOT top page



FAQ

Frequently asked questions about Mitsubishi Electric industrial devices including GOT can be viewed from here.

MELIPC MI3000

Panel computers equipped with integrated touch screens

For details



21.5" widescreen MI3321G-W

15" MI3315G-W

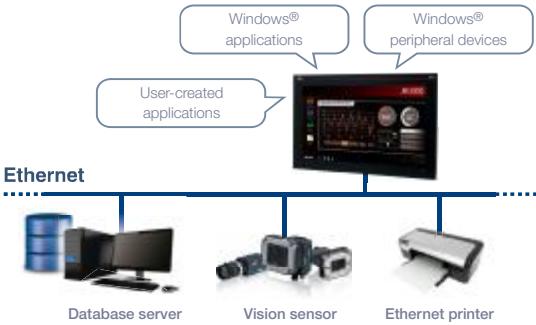
Beautiful, stunning, large screen monitor

Large 21.5-inch widescreen display and 15-inch display models are available. Colorful images are displayed with 16.77 million colors. Light-touch operation is realized with a PCAP touch panel that is widely used for smartphones and tablet devices.

Item	Specifications
Display	15"/21.5", TFT color LCD, 16.77 million colors
Resolution	Full HD, XGA
Backlight	LED
Internal storage	64 GB
Standard interface	Ethernet (3 ports), RS-232, RS-422/485, DisplayPort USB host (USB-A): 2 channels (USB 2.0), 2 channels (USB 3.0) Sound output
Extension interface	PCI Express® x 1 slot, (half size) x 1 mini PCI Express® Full size x 2 M.2 (2280) SATA x 1

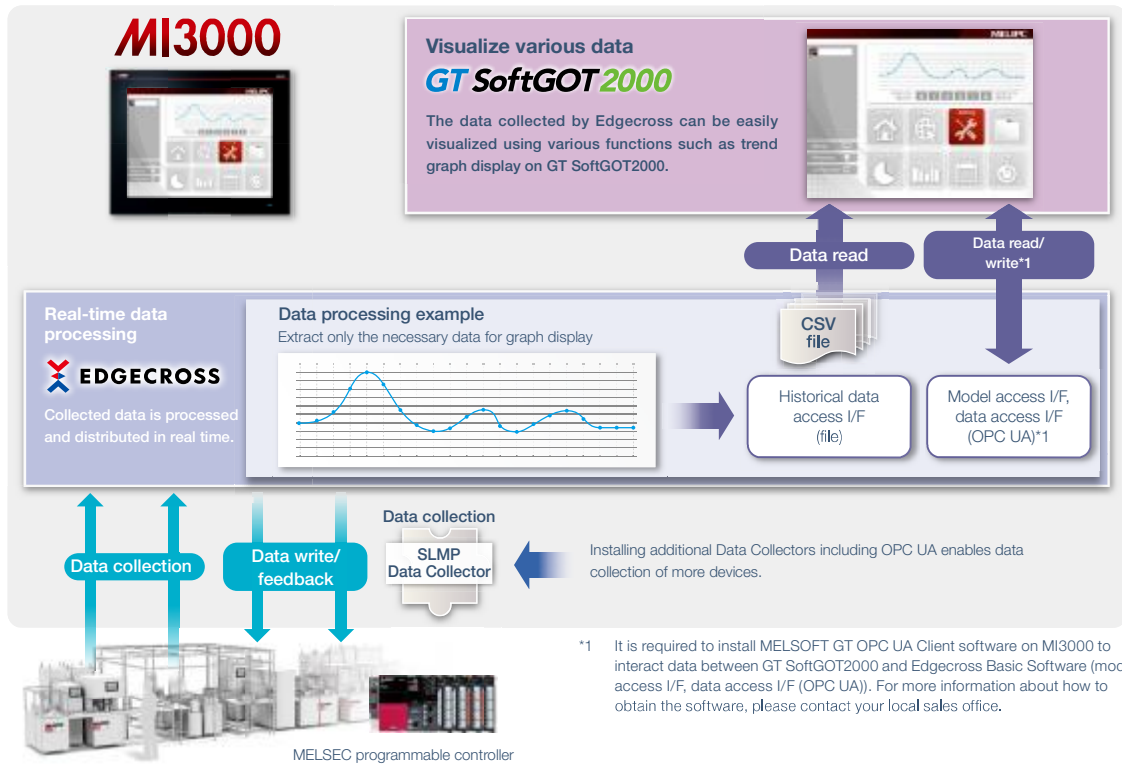
Windows® 10 IoT Enterprise pre-installed

Not only familiar Windows® applications, but also user-created applications can be used to configure systems that meet requirements of individual customers.



Various software pre-installed

Edgecross Basic Software, SLMP Data Collector, and GT SoftGOT2000 are pre-installed on MI3000. The data collected by Edgecross, SLMP Data Collector, and GT SoftGOT2000 can be monitored on the GT SoftGOT2000 screen.



■ MELIPC MI3000 external appearance [rear face]

1 DisplayPort

Output to an external monitor.
Screen can be displayed on a larger monitor.

2 M.2 (2280) SATA (inside the cover)

Expand storage for collecting and storing large amounts of data.

3 4 PCI Express®/mini PCI Express® (inside the cover)

Expand functions by using an expansion board.

5 Sound output

For outputting sound by connecting a speaker with built-in amplifier.

To use sound notification on GT SoftGOT2000, sound files can be easily created with GT Designer3.

* For the details, please refer to page 118.

6 7 USB3.0/USB2.0

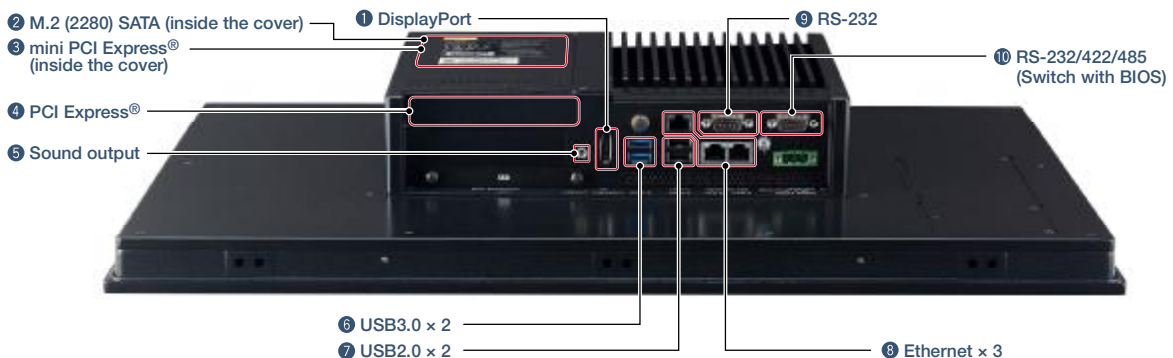
Each interface has two ports for connecting to various USB compatible devices.

8 Ethernet

Various Ethernet compatible devices can be connected to three ports. The network in the office can be separated from the one in the shop floor to enhance security.

9 10 RS-232/422/485

For data collection from existing facilities.



MELIPC MI3000

MELIPC MI3000

General specifications

Item		Specifications	
Operating ambient temperature		0 °C to 55 °C	
Storage ambient temperature		−20 °C to 60 °C	
Operating ambient humidity		10% RH to 90% RH, non-condensing	
Storage ambient humidity		10% RH to 90% RH, non-condensing	
Vibration resistance	Random vibration	Compliant with IEC60068-2-64, 5 to 500Hz, one hour in direction X, Y, Z each	
		3 Grms	
Shock resistance		Compliant with IEC-60068-2-27, 10 G, half sine wave, 11 msec	
Operating atmosphere		No greasy fumes, corrosive gas, flammable gas, excessive conductive dust, and direct sunlight (as well as at storage)	
Operating altitude *3*4		—	
Overvoltage category *1		II or less	
Pollution degree *2		2 or less	
Cooling method		Self-cooling	
Grounding		Grounding with a ground resistance of 100 Ω or less by using a ground cable that has a cross-sectional area of 2 mm ² or more.	

*1 This indicates the section of the power supply to which the equipment is assumed to be connected between the public electrical power distribution network and the machinery within the premises. Category II applies to equipment that is supplied with power from fixed facilities. The withstand surge voltage for the equipment with the rated voltage up to 300 V is 2500 V.

*2 This indicates the occurrence rate of conductive material in an environment where a device is used. Pollution degree 2 indicates an environment where only non-conductive pollution occurs normally and a temporary conductivity caused by condensation shall be expected depending on the conditions.

Power supply specifications

Item		Specifications	
		MI3321G-W	MI3315G-W
Power supply voltage		24 V DC (+20%, -20%)	
Power consumption	Under the maximum load	90 W	
	Stand alone	27 W	
Applicable wire size		Single wiring (single wire, stranded wire): 0.2 to 2.5 mm² (AWG24 to AWG14) Rod terminal with an insulation sleeve: 0.25 to 2.5 mm² (AWG22 to AWG14) Double wiring (single wire, stranded wire): 0.2 to 1.5 mm² (AWG24 to AWG16)	
Applicable solderless terminal		DN00508D (AWG20), DN00708D (AWG18), DN01508D (AWG16) (manufactured by DINKLE) Crimp tool: DNT13-0101 (manufactured by DINKLE)	
Applicable tightening torque (for terminal block terminal screws)		0.20 N·m (M2.5)	

*3 Do not use or store the product under pressure higher than the atmospheric pressure of altitude 0 m. Doing so may cause malfunction.

*4 No limitations to altitude. When used at a high altitude, the upper limits of the permissible voltage and the operating ambient temperature become lower. Please check performance before use at the customer side.

Performance specifications

Item			Specifications	
			MI3321G-W	MI3315G-W
Display section *1 *2	Display device		TFT color LCD	
	Screen size		21.5" widescreen	15"
	Resolution		Full HD: 1920 × 1080	XGA: 1024 × 768
	Contrast ratio		5000:1	700:1
	Display color		16.77 million	
	Backlight		LED backlight (not replaceable)	
Backlight life *4		50,000 hours		
Touch panel *3*11	Type		PCAP (Projected Capacitive)	
	Simultaneous press		Max. 10 keys *3	
	Transmittance		90%±3%	
Panel color			Black	
Hardware	MPU		Intel® Core™ i3-6100U 2.30 GHz (Dual Core)	
	Memory capacity	RAM	8 GB DDR4	
		ROM	64 GB SSD	
	Battery	Replacement Life	Not replaceable *4 4 years	
Software	OS		Windows® 10 IoT Enterprise 2016 LTSP (64 bit)	
	System language		At initial startup: English	
Additional storage	Interface		M.2(2280) SATA SSD: 1	
Extension interface	PCI Express®		x1 slot, (half size) x 1	
	mini PCI Express®		Full size x 2	
Built-in interface	Display (for external monitor output)	Interface	DisplayPort 1.4	
		Connector	DisplayPort connector	
		Number of ports	1	
		Resolution*5	Max. 3840 × 2160	
			10BASE-T, 100BASE-TX, 1000BASE-T	
	Ethernet	Interface	3	
		Number of ports	RJ-45	
		Connector for external wiring	1	
		Transmission speed	300 to 115200 bps	
	RS-232	Connector for external wiring	D-sub 9-pin (male)	
			RS-232, RS-422, RS-485 (two wire system)	
			Default: RS-232 *6	
			1	
	RS-232/ RS-422/ RS-485	Transmission speed	300 to 115200 bps	
		Connector for external wiring	D-sub 9-pin (male)	
			• USB3.0: 2 • USB2.0: 2	
		USB	Number of ports	USB Type-A
	Connector		Audio Line-Out	
	Interface		1	
	Sound output		Number of ports	ø3.5 stereo mini-jack (3-prong)
		Connector		
Built-in clock precision			Daily difference: -2 seconds to +2 seconds Monthly difference: -60 seconds to +60 seconds	
POWER LED			2 colors (blue and orange)	
Protective structure			Front: IP66	
Safety standards, radio laws (as of December 2019)			CE, UL, cUL, KC, BSMI, CCC, FCC	
External dimensions			349.8(13.77) (H) × 558.4(21.98) (W) × 88.8(3.50) (D) mm(inch)	
Panel cutting dimensions			307.3(12.10) (H) × 383.2(15.09) (W) × 86(3.39) (D) mm(inch)	
Weight			341.8(13.46) (H) × 550.3(21.67) (W) mm(inch)	
			298.5(11.75) (H) × 374.5(14.74) (W) mm(inch)	
			9.8(21.6) kg(lb)	
			7.0(15.4) kg(lb)	

*1 As a characteristic of liquid crystal display panels, bright dots (always lit) and dark dots (never lit) may appear on the panel. Since liquid crystal display panels comprise a great number of display elements, the appearance of bright and dark dots cannot be reduced to zero. Individual differences in liquid crystal display panels may cause differences in color, uneven brightness and flickering. Note that these phenomena are characteristics of liquid crystal display panels and it does not mean the products are defective or damaged.

*2 Flickering may occur due to vibration, shock, or the display colors.

*3 Multiple touch keys cannot be pressed simultaneously while GT SoftGOT2000 is used.

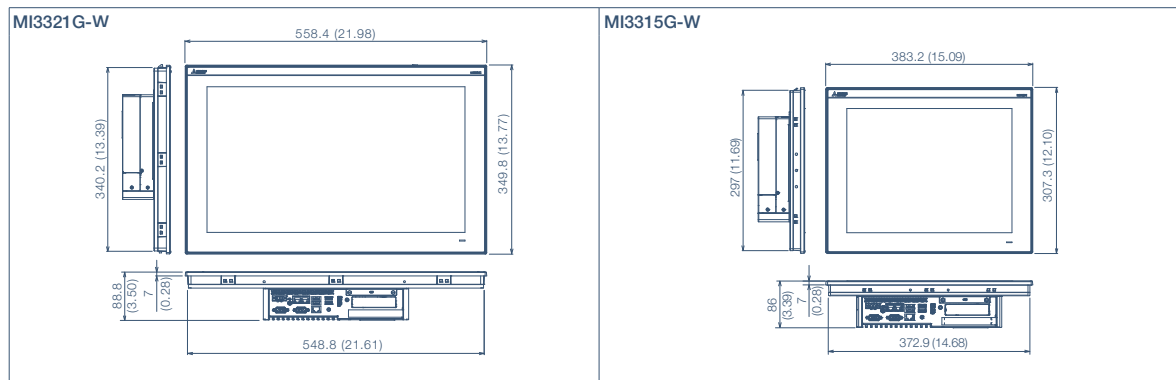
*4 The battery cannot be removed by users. For the battery replacement, please contact your local sales office.

*5 Maximum resolution at 60 Hz.

*6 The interface can be switched between RS-232, RS-422, and RS-485 with the BIOS.

External dimensions

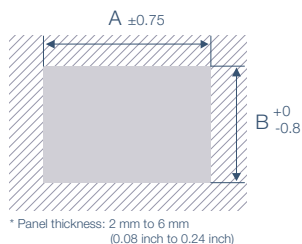
Unit : mm (inch)



Panel cut dimensions

Unit : mm (inch)

Screen size	Model	A	B
21.5" widescreen	M3321G-W	550.3 (21.67)	341.8 (13.46)
15"	M3315G-W	374.5 (14.74)	298.5 (11.75)



Product list

MELIPC

Product name	Model	Screen size	Panel color	Outline
MELIPC MI3000	MI3321G-W	21.5" widescreen, Full HD	Black	Edgecross Basic Software, SLMP Data Collector, GT SoftGOT2000 pre-installed
	MI3315G-W	15" XGA	Black	

Option

Product name	Model	Outline
Network interface board	Q81BD-J71GF11-T2	PCI Express® bus compatible, CC-Link IE Field Network (master/local station)
	Q81BD-J71GP21-SX	PCI Express® bus compatible, CC-Link IE Controller Network (control/normal station)
	Q81BD-J71GP21S-SX	PCI Express® bus compatible, CC-Link IE Controller Network (control/normal station), with external power supply function

Engineering tool

Product name	Model	Outline
HMI/GOT Screen Design Software MELSOFT GT Works3	SW1DND-GTWK3-E	English Version Standard license product *1
GT Works Text to Speech License *2	SW1DND-GTVO-M	Standard license product

*1 The desired number of licenses (2 or more) can be purchased. For details, please contact your local sales office.

*2 To edit sound files, each personal computer requires one license.

For the details of MI3000,
please refer to the MELIPC MI3000 catalog
(L(NA)08600ENG).



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The actual color may differ slightly from the pictures in this catalog.
 The actual display may differ from what are shown on GOT screen images.

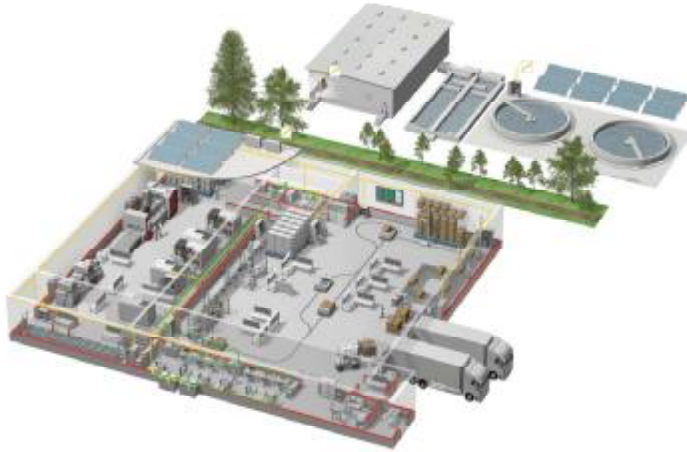
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Low voltage: MCCB, MCB, ACB



Medium voltage: VCB, VCC



Power monitoring, energy management



Compact and Modular Controllers



Inverters, Servos and Motors



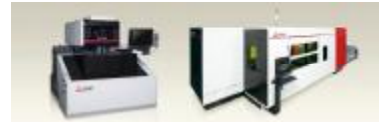
Visualisation: HMIs



Numerical Control (NC)



Robots: SCARA, Articulated arm



Processing machines: EDM, Lasers, IDS



Transformers, Air conditioning, Photovoltaic systems

* Not all products are available in all countries.

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