eco Changes for a greener tomorrow

MITSUBISHI ELECTRIC
Changes for the Better

FACTORY AUTOMATION

e-F@ctory

Concise

GOT2000 Series

Graphic Operation Terminal



GOT2000

Graphic Operation Terminal

- Innovative display features in simply designed body
- Enhanced lineup with open frame models
- GOT Mobile & GOT Drive expand possibilities of factory systems

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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Lineup

Concept movie Lineup

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

GT27 model

Advanced model with multi-touch gesture functions

Ethernet | CC-Link
RS-232 | Bus
RS-422/485 | MELSECNET
CC-Link IE Controller
CC-Link IE Field*

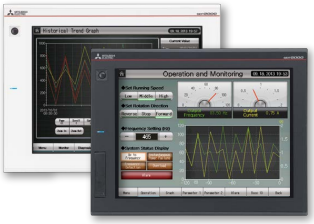
* The CC-Link IE Field Network communication unit and GOT set is also available.

15 inch XGA



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

12.1 inch SVGA



GT2712-STBA
GT2712-STBD
GT2712-STWA [White model]
GT2712-STWD [White model]
Resolution: 800 × 600
Display color: 65536 colors

GT25 model

High performance, cost efficient, mid-range model

Ethernet | CC-Link
RS-232 | Bus
RS-422/485 | MELSECNET
CC-Link IE Controller
CC-Link IE Field*

* The CC-Link IE Field Network communication unit and GOT set is also available.

12.1 inch SVGA



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

NEW



GT2512F-STNA [Open frame model]
GT2512F-STND [Open frame model]
Resolution: 800 × 600
Display color: 65536 colors

GT23 model

Unchallenged cost performance

Ethernet
RS-232
RS-422/485

10.4 inch VGA



GT2310-VTBA
GT2310-VTBD
Resolution: 640 × 480
Display color: 65536 colors

8.4 inch VGA



GT2308-VTBA
GT2308-VTBD
Resolution: 640 × 480
Display color: 65536 colors

INTERNATIONAL DESIGN EXCELLENCE AWARDS '15 FINALIST

product design award 2014

GOOD DESIGN AWARD 2014

Compliant with safety standards including UL Standards, maritime certifications, and radio laws.
For inquiries relating to the status of GOTs conforming to various standards and laws (CE, ATEX [to be obtained soon], UL/cUL, Class I Division 2, EAC, KC, KCs [to be obtained soon], and maritime certifications [ABS/BV/DNV GL/LR/NK/RINA]), please refer to the specification list (page 26).
For the information about the other products and the latest conformity status, please contact your local sales office.

The release date varies depending on the product and your region. For details, please contact your local sales office.

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

* Not supported by 5.7 inch model.

10.4 inch SVGA VGA



GT2710-STBA
GT2710-STBD
Resolution: 800 × 600
Display color: 65536 colors

GT2710-VTBA
GT2710-VTBD
GT2710-VTWA [White model]
GT2710-VTWD [White model]
Resolution: 640 × 480
Display color: 65536 colors

8.4 inch SVGA VGA



GT2708-STBA
GT2708-STBD
Resolution: 800 × 600
Display color: 65536 colors

GT2708-VTBA
GT2708-VTBD
Resolution: 640 × 480
Display color: 65536 colors

5.7 inch VGA



GT2705-VTBD
Resolution: 640 × 480
Display color: 65536 colors

Sound output | External I/O

10.4 inch VGA



GT2510-VTBA
GT2510-VTBD
GT2510-VTWA [White model]
GT2510-VTWD [White model]
Resolution: 640 × 480
Display color: 65536 colors

NEW



GT2510F-VTNA [Open frame model]
GT2510F-VTND [Open frame model]
Resolution: 640 × 480
Display color: 65536 colors

8.4 inch VGA



GT2508-VTBA
GT2508-VTBD
GT2508-VTWA [White model]
GT2508-VTWD [White model]
Resolution: 640 × 480
Display color: 65536 colors

NEW



GT2508F-VTNA [Open frame model]
GT2508F-VTND [Open frame model]
Resolution: 640 × 480
Display color: 65536 colors

GT21 model

Compact models with basic functions

Ethernet
RS-232
RS-422/485

4.3 inch Wide



GT2104-RTBD
[Ethernet, RS-232, RS-422/485]
Resolution: 480 × 272
Display color: 65536 colors

3.8 inch



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

SoftGOT

GOT2000 compatible HMI software
GT SoftGOT2000 Version1

GT SoftGOT2000 is an HMI software that allows GOT2000 functions to operate on a personal computer or panel computer. Various industrial devices can be connected and monitored.

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

* A separate license key must be mounted during use.



USB port license key



GOT2000 Standard Model

The GOT2000 series continues to impress with solutions that fulfill all demands



GT27 model



Advanced model with multi-touch gesture functions

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", and 15" size, 65536 colors TFT LCD display
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* (High-Speed 480 Mbps) USB device (USB Mini-B) 1 channel (High-Speed 480 Mbps) ✻ White model has 1 channel
Extension interface	CC-Link IE Controller, CC-Link IE Field, CC-Link, bus, MELSECNET/H

GT25 model



High performance, cost efficient, mid-range model

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	8.4", 10.4", and 12.1" size, 65536 colors TFT LCD display
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* (High-Speed 480 Mbps) USB device (USB Mini-B) 1 channel (High-Speed 480 Mbps) ✻ White model has 1 channel
Extension interface	CC-Link IE Controller, CC-Link IE Field, CC-Link, bus, MELSECNET/H

GT23 model



Unchallenged cost performance

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" and 10.4" size, 65536 colors TFT LCD display
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 (Full-Speed 12 Mbps) USB device (USB Mini-B) 1 channel (Full-Speed 12 Mbps)

GT21 model

GT2104-R



Compact model with exciting possibilities

New widescreen type compact model!
65536 colors, TFT LCD display, 4.3-inch wide model is released. High resolution, 480 × 272 dot display realized in a compact body!

Item	Specifications
Display	4.3" Wide, 65536 colors TFT LCD display
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 (Full-Speed 12 Mbps)

GT2103-P



Small screen, big possibilities

The intuitively understandable 5-color backlight offers choices of backlight color and backlight blink according to machine operation state. The backlight can also be controlled from the connected PLC (screen color change and backlight ON/OFF/blink).

Item	Specifications
Display	3.8" size, 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	GT2103-PMBD: Ethernet, RS-422/485 GT2103-PMBDS: RS-232, RS-422/485 GT2103-PMBDS2: RS-232 × 2 channels GT2103-PMBLS: RS-422 (dedicated to FX connection, 5 V DC power supply type) All models: USB device (USB Mini-B) 1 channel (Full-Speed 12 Mbps)

GOT2000 Open Frame Model



GT25 (Open frame model)

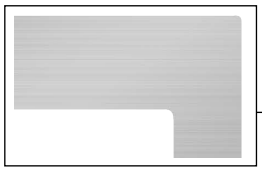
A new style of GOT2000

Installing the GOT2000 from the back side of the control panel complements the machine-design surface.

Item	Specifications
Display	8.4", 10.4", and 12.1" size, 65536 colors TFT LCD display
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 (High-Speed 480 Mbps) USB device (USB Mini-B) 1 channel (High-Speed 480 Mbps)
Extension interface	CC-Link IE Controller, CC-Link IE Field, CC-Link, bus, MELSECNET/H

GOT complements machine design

Using a stainless-look environmental protection sheet allows the touch panel to blend into the production machines for the pharmaceutical and food industries.



Environmental protection sheet



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.

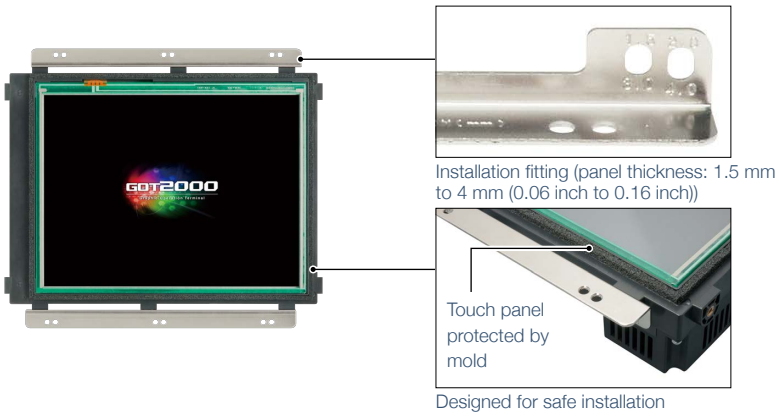
Designed for safe installation

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

Installation fittings (vertical/horizontal) and screws are included with GOT. Attach appropriate installation fittings depending on the installation orientation.

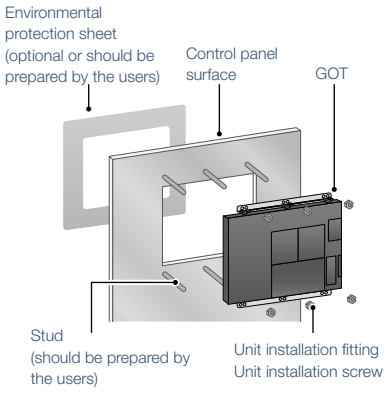
✻ Studs should be prepared by the users. (Not included)



Installation fitting (panel thickness: 1.5 mm to 4 mm (0.06 inch to 0.16 inch))

Designed for safe installation

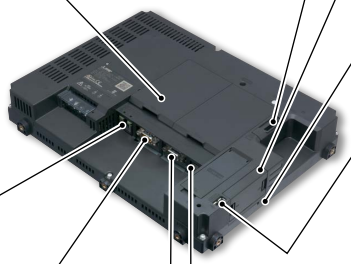
Installation instructions





Appearance / Names of Each Part





Extension interface
Communication and option units can be installed.

Touch panel
Using an environmental protection sheet (optional or prepared by the users) is required.

Ethernet interface
Use Ethernet to simultaneously connect to up to four types of industrial devices from different manufacturers.

Unit installation fitting
Fittings to install GOT to a panel are included.

RS-232 interface
Connect to various industrial devices, barcode readers and serial printers.

SD memory card slot
Save large volumes of data, including alarms and logging data.

RS-422/485 interface
Connect to various industrial devices and barcode readers.

Side interface
Mount a wireless LAN communication unit.

POWER LED
Check the power supply status.

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.

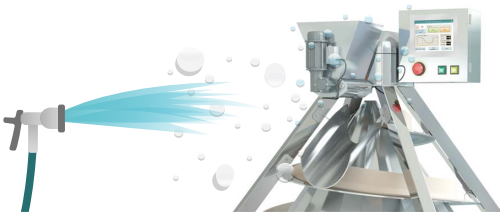
* USB keyboard (HID) compatible model only

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

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.



Before

After

GOT Smart Web-based Remote Solutions

Monitor your worksite anytime, anywhere



GOT offers various remote monitoring and operation functions that can be used for various applications depending on your needs. The GOT remote solutions increase efficiency in various applications from startup, adjustment, to maintenance using mobile devices and personal computers. The GOT2000 improves visualization accessibility and reduces total cost of ownership.

Comparison of remote maintenance functions

Item		Monitor or operate GOT or connected devices from a personal computer or tablet			Monitor a personal computer from GOT
		GOT Mobile function	VNC server function	SoftGOT-GOT link function	Remote personal computer operation function (Ethernet)
Number of simultaneous connections from clients		○ Maximum 5	× Simultaneous connection prohibited (1 to 1 only)	○ Maximum 7 ✻1	–
Monitor a different screen on each client		○	× Always monitor the same screen as on GOT	△ ✻2	–
Drawing performance		○	△	○	–
Viewing application		Web browser (Google Chrome, Safari)	VNC viewer (freeware ✻3)	GT SoftGOT2000 (license key required separately)	–
Required options		License	License	License key	License
Authorization exclusive control		○	○	○	–
Screen display	Supported objects (touch switch, etc.)	△ Some functions are different from GOT	○ Same as GOT	○ Same as GOT	–
	Monitoring functions (sequence program monitor, etc.)	× Not supported	○ Same as GOT	× Not supported	–

✻1 When using the GOT network interaction function, multiple clients can be connected simultaneously. Note that restrictions exist depending on the connection type between GOT and the connected device.

✻2 When a GOT internal device is used as the screen switching device, each client can display a different screen.

✻3 For the VNC client software that can be used, please refer to the Technical Bulletin GOT-A-0069.

NEW

GOT Mobile function

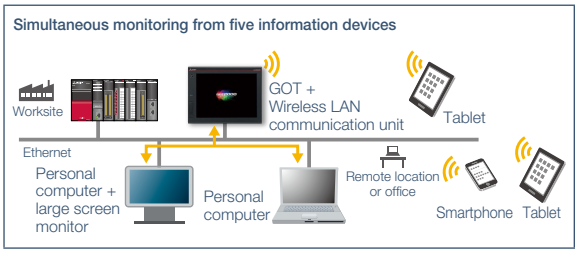
GOT Mobile

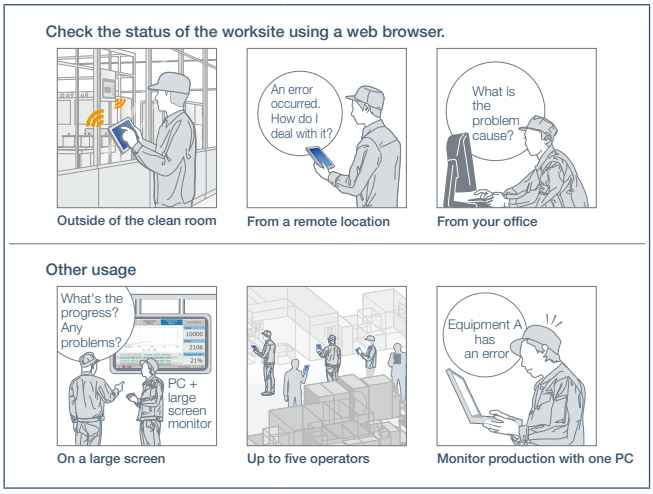
☑GT27 ☑GT25 ☐GT23 ☐GT21

Check the equipment status using a web browser on tablets from a remote location. Up to five information devices can simultaneously access a single GOT so that you can view and operate a different screen on each device.

✻ A separate license (GT25-WEBSKEY) is required.

✻ Up to five clients can connect to one GOT at the same time.





✻ **Specification details and major restrictions**

For the supported connection types and necessary option devices, please refer to the Mitsubishi Graphic Operation Terminal GOT2000 Series Catalog (L(NA)08270ENG) or appropriate manuals.

✻ **Safety precautions**

If any of the remote maintenance functions are used to perform remote control of control equipment, the field operator may not notice the remote control, possibly leading to an accident. In addition, a communication delay or interruption may occur depending on the network environment, and remote control of control equipment cannot be performed normally in some cases. Before using the functions to perform remote control, fully grasp the circumstances of the field site and ensure safety.

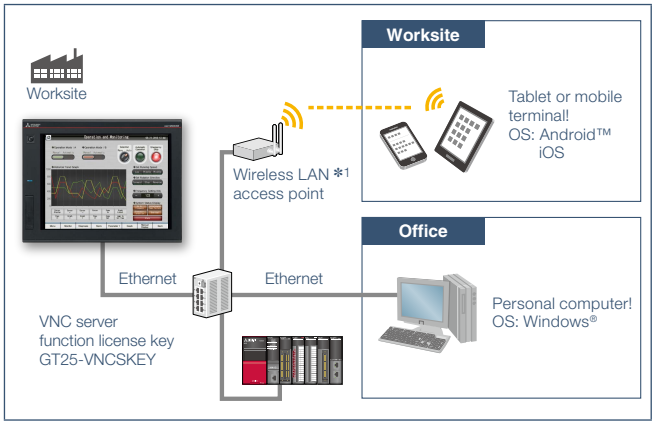
VNC server function

☑GT27 ☑GT25 ☐GT23 ☐GT21

Remotely view and operate the GOT screen from information devices such as a personal computer and tablet. No dedicated screens are required.

✻ A separate license (GT25-VNCSKEY) is required.

✻ One client can connect to one GOT at the same time.



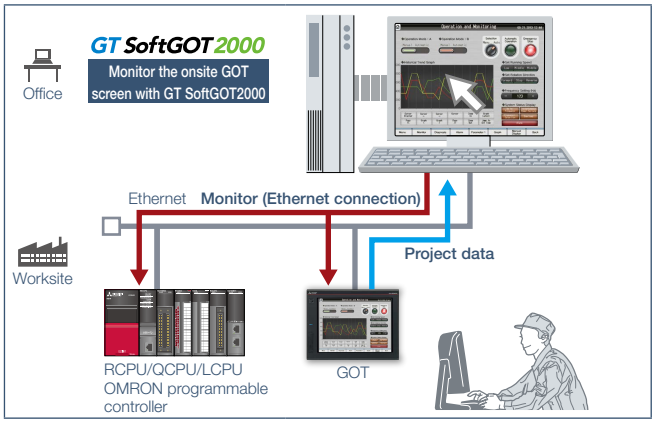
✻1 No access point is required separately when installing the wireless LAN communication unit on the GOT. (Access point mode is supported by GT Works3 Ver.1.144A or later)

SoftGOT-GOT link function

☑GT27 ☑GT25 ☐GT23 ☐GT21

Read project data from the GOT connected to GT SoftGOT2000 via Ethernet, and you can monitor the devices that are connected to the GOT on different screens from the one shown on the GOT.

✻ A separate license key (GT27-SGTKEY-U) is required.

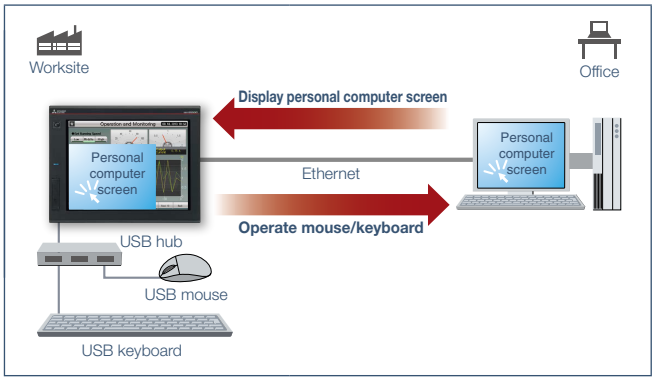


Remote personal computer operation function (Ethernet)

☑GT27 ☑GT25 ☐GT23 ☐GT21

Connect GOT at the worksite to a personal computer in a remote location via Ethernet. This allows you to remotely operate the personal computer and view manuals and access the web browser on the computer.
Connecting a USB mouse/keyboard to the front (or rear) USB interface makes it easier to operate the personal computer.

✻ A separate license (GT25-PCRAKEY) is required.



Monitor your worksite anytime, anywhere

For the details of the GOT2000 Series remote solution functions, please refer to the following catalogs.

- Mitsubishi Graphic Operation Terminal GOT2000 Series Catalog (L(NA)08270ENG)
- GOT Smart Web-based Remote Solutions Leaflet (L(NA)08399ENG)





✻ **Specification details and major restrictions**

For the supported connection types and necessary option devices, please refer to the Mitsubishi Graphic Operation Terminal GOT2000 Series Catalog (L(NA)08270ENG) or appropriate manuals.

✻ **Safety precautions**

If any of the remote maintenance functions are used to perform remote control of control equipment, the field operator may not notice the remote control, possibly leading to an accident. In addition, a communication delay or interruption may occur depending on the network environment, and remote control of control equipment cannot be performed normally in some cases. Before using the functions to perform remote control, fully grasp the circumstances of the field site and ensure safety.

GOT Easy Drive Control Interactive Solutions

Designed to suit your application and improve maintenance



The GOT2000 provides advanced functionality and improves connectivity with Mitsubishi servo systems. It provides some functions of MR Configurator2 (supporting MR-J4). The new GOT Drive enhanced functionality is designed to eliminate need for additional hardware, software and suits customers' applications to speed up system startup, improve maintenance and troubleshooting.

Drive control interactive functions, supported models, and GT Works3 versions

○: Supported ×: Not supported at this moment –: Not applicable

Function name	Supported model				System configuration				
					CASE 1	CASE 2/CASE 3	CASE 4	CASE 1	CASE 2
					MELSERVO-J4 Series			MELSERVO-JE Series	
	GT27	GT25	GT23	GT21	MR-J4-A(-RJ)	MR-J4-B(-RJ) MR-J4W2-B MR-J4W3-B	MR-J4-GF(-RJ)	MR-JE-A	MR-JE-B
Drive recorder function	○	○	×	×	–	○ Ver.1.155M or later ✻2	×	–	Coming soon
Machine diagnosis function	○	○	○	○	○ Ver.1.126G or later ✻1	○ Ver.1.155M or later ✻1	Coming soon	×	○ Ver.1.150G or later ✻1
Servo amplifier life diagnosis function	○	○	○	○	○ Ver.1.126G or later ✻1	○ Ver.1.155M or later ✻1	Coming soon	×	○ Ver.1.150G or later ✻1
One-touch tuning function	○	○	○	○	○ Ver.1.126G or later ✻1	○ Ver.1.155M or later ✻1	Coming soon	×	○ Ver.1.150G or later ✻1
Tuning function	○	○	○	○	○ Ver.1.126G or later ✻1	○ Ver.1.155M or later ✻1	Coming soon	×	○ Ver.1.150G or later ✻1
Power monitor	○	○	○	○	○ Ver.1.126G or later ✻1	○ Ver.1.155M or later ✻1	Coming soon	×	○ Ver.1.150G or later ✻1
Alarm display function	○	○	○	○	○ Ver.1.126G or later ✻1	○ Ver.1.155M or later ✻1	Coming soon	×	○ Ver.1.150G or later ✻1
Servo amplifier monitor function	○	○	×	×	○ A: Ver.1.100E or later ✻2 A-RJ: Ver.1.134Q or later ✻2	–	–	×	–
Intelligent module monitor function ✻4	○	○	×	×	○ ✻3 Ver.1.100E or later ✻2	○ Ver.1.100E or later ✻2	Coming soon	×	×
R motion monitor function ✻4	○	○	×	×	–	○ B: Ver.1.117X or later ✻2 B-RJ: Ver.1.134Q or later ✻2	–	–	–
Q motion monitor function ✻4	○	○	×	×	–	○ B: Ver.1.100E or later ✻2 B-RJ: Ver.1.134Q or later ✻2	–	–	–
Motion SFC monitor function ✻4	○	○	×	×	–	○ B: Ver.1.100E or later ✻2	–	–	–

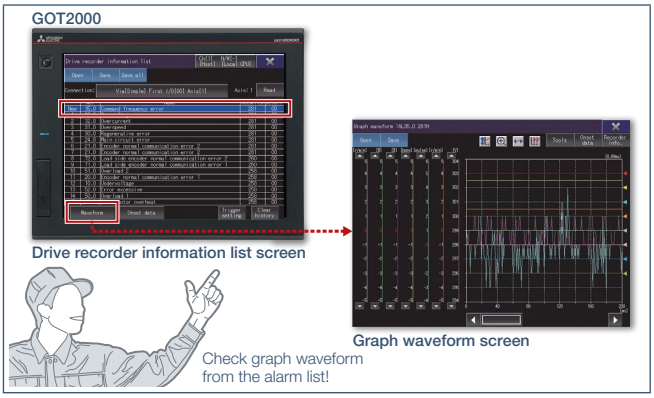
✻1 Indicates the version of GT Works3 that was used to create the sample screen (as of June 2016). The sample screen is the screen data that is included with GT Works3.
✻2 Indicates the version of GT Works3 that supports the dedicated screen. The dedicated screen is the screen that is provided as the extended function of GOT.
✻3 The function can be used by connecting GOT and programmable controller.
✻4 The supported version of GT Works3 differs depending on the type of connected device (CPU, intelligent function module).

NEW

Drive recorder function

☑GT27 ☑GT25 ☐GT23 ☐GT21

GOT can be used to display the screen equivalent to the drive recorder of MR Configurator2.
Easily check the servo data (motor current, position command, etc.) on GOT without using a personal computer.



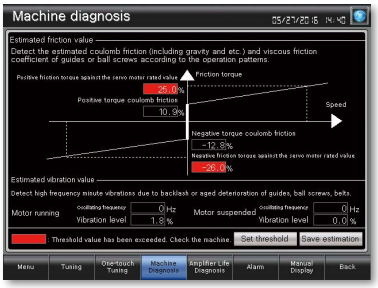
✻ Specification details and major restrictions

For the supported connection types and necessary option devices, please refer to the Mitsubishi Graphic Operation Terminal GOT2000 Series Catalog (L(NA)08270ENG) or appropriate manuals.

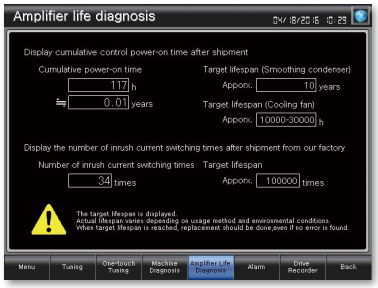
Machine diagnosis function/ Servo amplifier life diagnosis function

☑GT27 ☑GT25 ☑GT23 ☑GT21

GOT displays the diagnosis screen that is equivalent to the maintenance functions of MR Configurator2.
You can easily check the internal data of servo amplifiers on the GOT without a personal computer.
✻ Ready to use sample screens (VGA) are available.



Machine diagnosis screen*

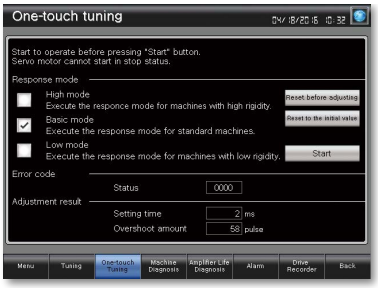


Servo amplifier life diagnosis screen*

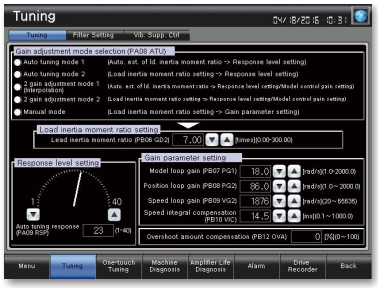
One-touch tuning function/Tuning function

☑GT27 ☑GT25 ☑GT23 ☑GT21

GOT displays the tuning screens that are equivalent to the adjustment functions of MR Configurator2.
You can easily adjust gain parameters of servo amplifiers on the GOT without a personal computer.
✻ Ready to use sample screens (VGA) are available.



One-touch tuning screen*

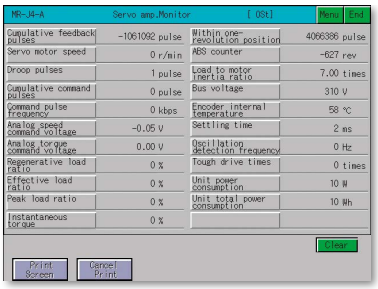


Tuning screen*

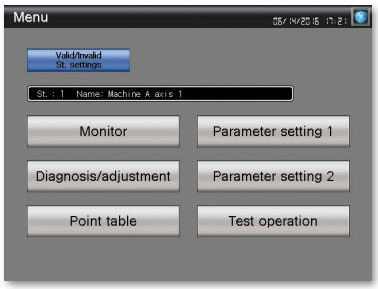
Servo amplifier monitor function

☑GT27 ☑GT25 ☐GT23 ☐GT21

Various monitoring functions, changes to the parameter settings, and test operations can be performed on the servo amplifier connected to the GOT.



Dedicated screens



Sample screens (VGA)

Connection samples [English, Japanese, Chinese (Simplified)]

☑GT27 ☑GT25 ☑GT23 ☐GT21

Sample screens are available for connection between GOT2000 and servo amplifiers. You can change parameters, monitor servo amplifiers, and perform test operations.
Sample screens are included with GT Works3.

Advanced drive control connectivity provides additional value to your system

For the details of the GOT2000 Series drive control interactive functions, please refer to the following catalog.

- GOT2000 Series Drive Control Interactive Solutions Catalog (L(NA)08335ENG)



✻ **Specification details and major restrictions**
For the supported connection types and necessary option devices, please refer to the Mitsubishi Graphic Operation Terminal GOT2000 Series Catalog (L(NA)08270ENG) or appropriate manuals.

GOT2000 Functions

Functions designed to meet your requirements

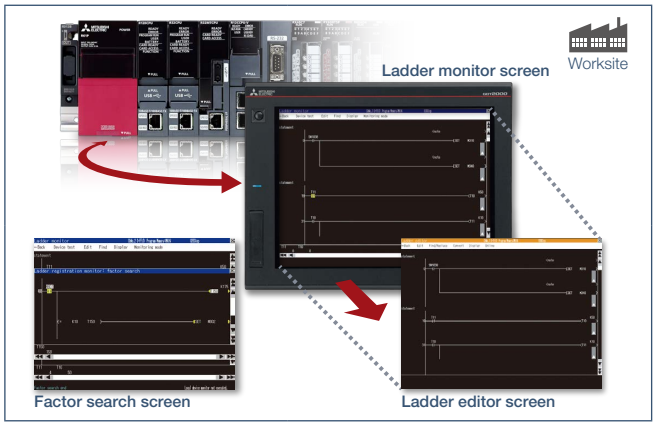


Sequence program monitor (Ladder) function

☑GT27 ☑GT25 ☐GT23 ☐GT21

GOT can monitor and edit a sequence program in a controller in the ladder format, and also can change current values of devices. When an error occurs, monitor the ladder program and identify the cause of error. There is no need for a personal computer on the production floor.

✻ A separate SD memory card or USB memory is required.

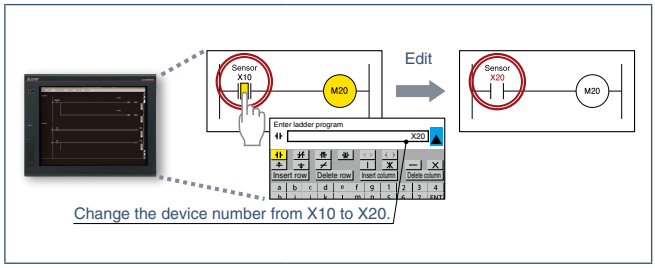


Sequence program monitor (Ladder monitor)

Sequence programs of Mitsubishi programmable controllers can be monitored in the ladder format.

Ladder editor

Sequence programs of Mitsubishi programmable controllers can be edited in the ladder format. Just touch the position where you want to edit (contact, vertical line, etc.) and enter, change, or delete the ladder symbol or device.
Vertical lines, horizontal lines, columns, and rows can be inserted or deleted.



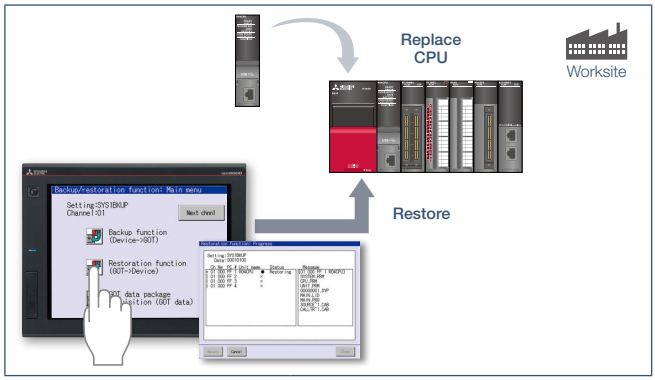
Backup/Restoration function

☑GT27 ☑GT25 ☑GT23 ☑GT21

Backup or restore the programs and parameters of programmable controller CPUs or other devices to or from the GOT's SD memory card or USB memory. With a backup of data in the GOT, there's no need to use a personal computer when replacing the industrial devices such as the programmable controller CPU. All replacement and restoration can be completed with just the GOT.

✻ Excluding GT2103-PMBLS

✻ A separate SD memory card or USB memory is required.



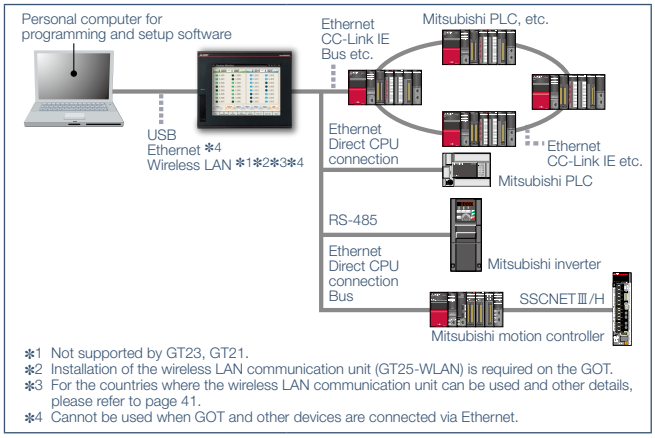
✻ **Specification details and major restrictions**

For the supported connection types and necessary option devices, please refer to the Mitsubishi Graphic Operation Terminal GOT2000 Series Catalog (L(NA)08270ENG) or appropriate manuals.

FA transparent function

☑GT27 ☑GT25 ☑GT23 ☑GT21

By connecting a personal computer to the front USB interface on the GOT, you can use the GOT as a transparent gateway to enable programming, startup, and adjustment of industrial devices. Users do not have to bother with opening the cabinet or changing cable connections.

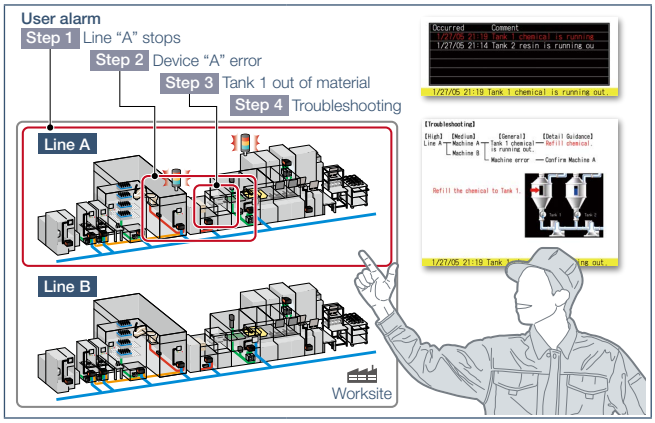


✻1 Not supported by GT23, GT21.
✻2 Installation of the wireless LAN communication unit (GT25-WLAN) is required on the GOT.
✻3 For the countries where the wireless LAN communication unit can be used and other details, please refer to page 41.
✻4 Cannot be used when GOT and other devices are connected via Ethernet.

Alarm function

☑GT27 ☑GT25 ☑GT23 ☑GT21

Alarms are displayed with a station No. and CPU No. in the list grouped by system or level. It helps you to identify the location where the error occurred in a large system, leading to quick troubleshooting.

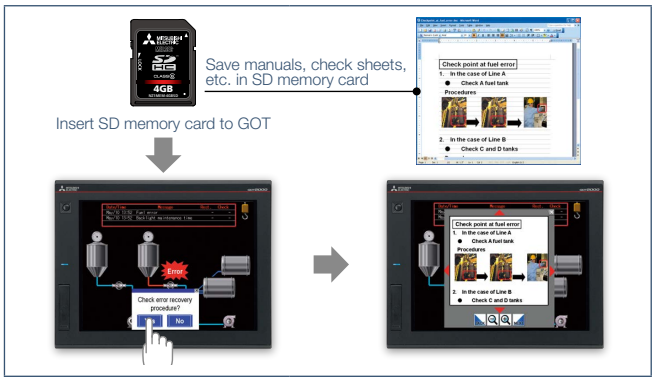


Document display function

☑GT27 ☑GT25 ☐GT23 ☐GT21

GOT displays various kinds of documents such as manuals. You can switch between pages, scroll, and zoom in/out a page for smooth viewing. Entering a page number easily displays the specified page among multiple pages in the manual.

✻ A separate SD memory card is required.



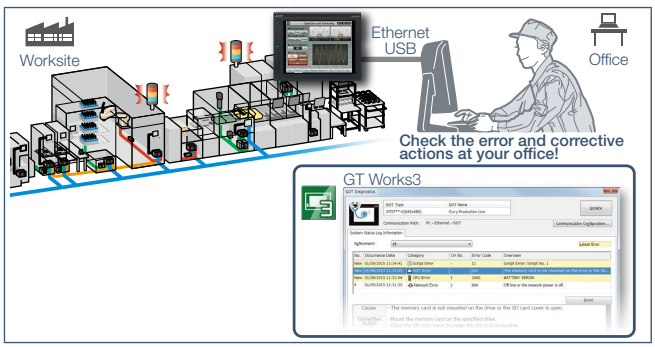
NEW

GOT diagnostics function

☑GT27 ☑GT25 ☑GT23 ☑GT21

You do not need to visit the worksite. The status of GOT and CPU can be monitored using GT Works3 at your office. Check the error cause and corrective actions in detail, and you can solve the problem quickly.

✻ System alarms are not supported by GT21.



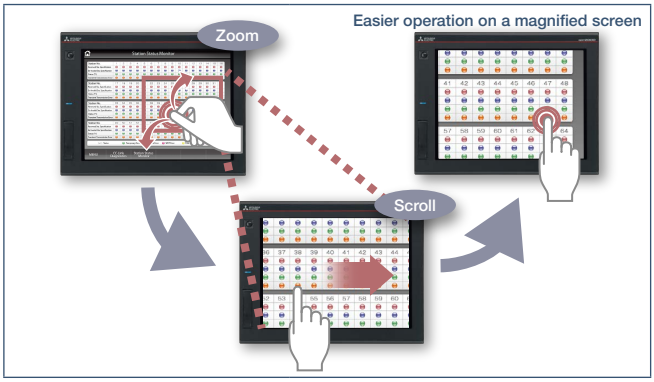
✻ **Specification details and major restrictions**

For the supported connection types and necessary option devices, please refer to the Mitsubishi Graphic Operation Terminal GOT2000 Series Catalog (L(NA)08270ENG) or appropriate manuals.

Gesture function

☑GT27 ☐GT25 ☐GT23 ☐GT21

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

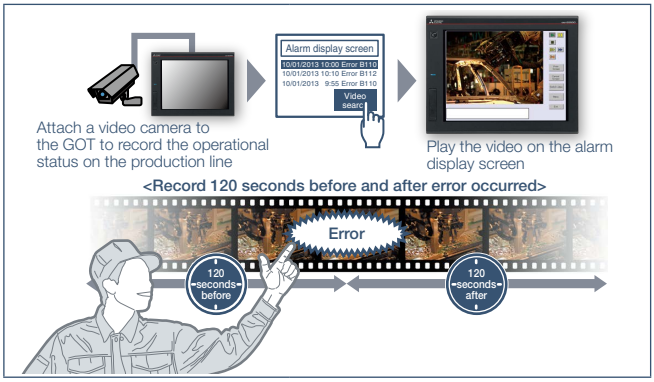


Multimedia function

☑GT27 ☐GT25 ☐GT23 ☐GT21

GOT displays and records the image taken by a video camera connected to the multimedia unit and plays back the saved video image.
To set the timing of recording, you can use a device of a controller as a trigger.

✻ Excluding GT2705
✻ Multimedia unit (GT27-MMR-Z) and CF card are required.

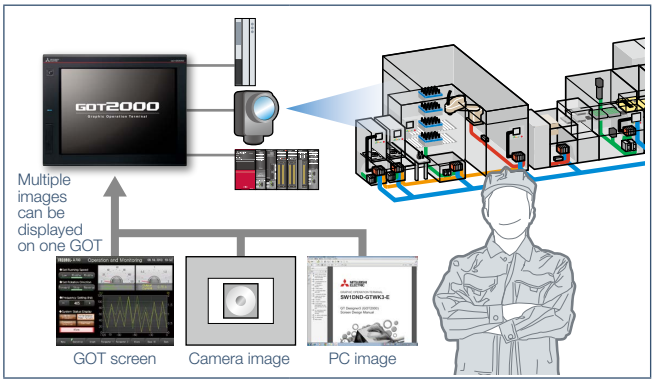


Video/RGB function

☑GT27 ☐GT25 ☐GT23 ☐GT21

GOT acts as a monitor to display images which are recorded by a video camera or saved in a personal computer.

✻ Excluding GT2705
✻ The required option unit differs depending on the function you use. For the details, please refer to the function list (page 24).

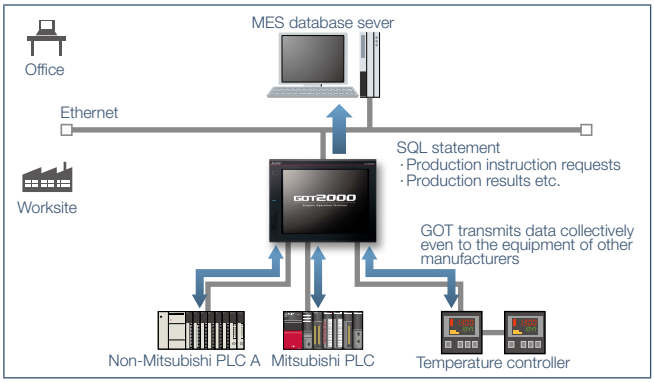


MES interface function

☑GT27 ☑GT25 ☐GT23 ☐GT21

The GOT uses SQL statements*1 to transmit data from the connected industrial devices to a database server.*2

*1 SELECT (Select/MultiSelect), UPDATE, INSERT
*2 A separate license (GT25-MESIFKEY) is required.

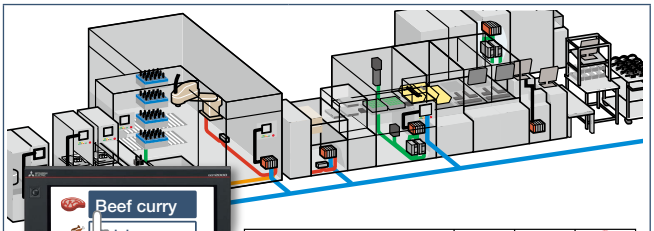


✻ **Specification details and major restrictions**
For the supported connection types and necessary option devices, please refer to the Mitsubishi Graphic Operation Terminal GOT2000 Series Catalog (L(NA)08270ENG) or appropriate manuals.

Recipe function

☑GT27 ☑GT25 ☑GT23 ☑GT21

GOT saves recipe information for individual product. You can select a recipe to be written to the programmable controller, which achieves the quick changeover for the production line.



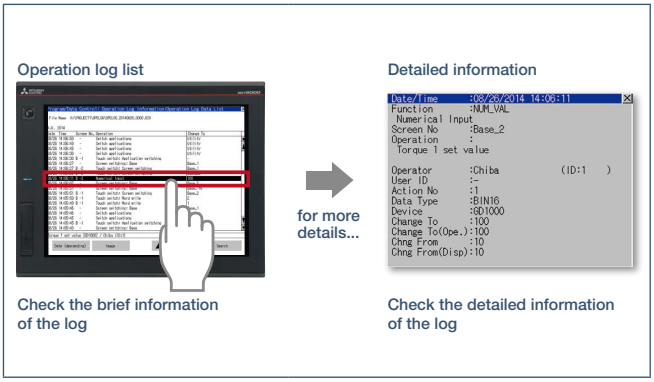
		D2000	D2001	D2002
Record 1	Beef curry	300	0	0
Record 2	Chicken curry	0	300	0
Record 3	Seafood curry	0	0	150

Operation log function

☑GT27 ☑GT25 ☑GT23 ☐GT21

GOT records the operation information, such as “when, how, for what” the operation was performed, in chronological order in an SD memory card or USB memory.
Use of the operation log function combined with the operator authentication function records additional information of “who” performed the operation.

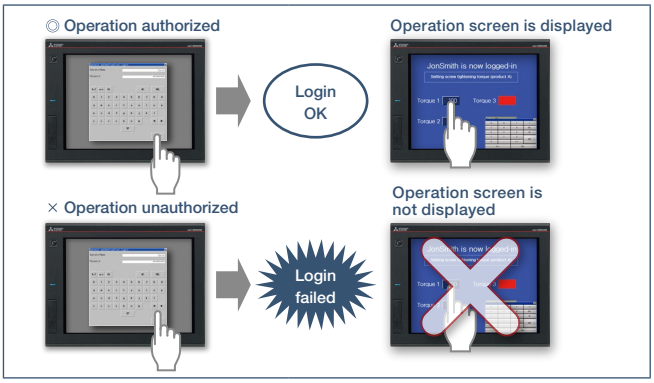
✻ A separate SD memory card or USB memory is required.



Operator authentication function

☑GT27 ☑GT25 ☑GT23 ☑GT21

Setting the operation authority and viewing authority achieves “enhanced security” and “access management per operator”.
Use of the operator authentication function combined with the operation log function enables you to check that “who, when, how, for what” the operation was performed.

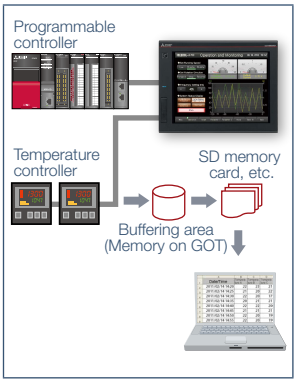


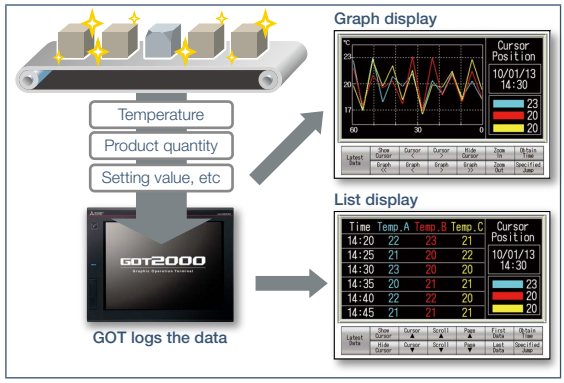
Logging & Graph/List

☑GT27 ☑GT25 ☑GT23 ☑GT21

GOT collects the data from programmable controllers and temperature controllers (logging*) and displays the collected data in a graph and list. You can check the data which was collected when an error occurred to identify and analyze the cause of the error.

✻ Excluding GT2103-PMBLS.





✻ **Specification details and major restrictions**
For the supported connection types and necessary option devices, please refer to the Mitsubishi Graphic Operation Terminal GOT2000 Series Catalog (L(NA)08270ENG) or appropriate manuals.

GOT2000 compatible HMI software

GT SoftGOT2000 Version1

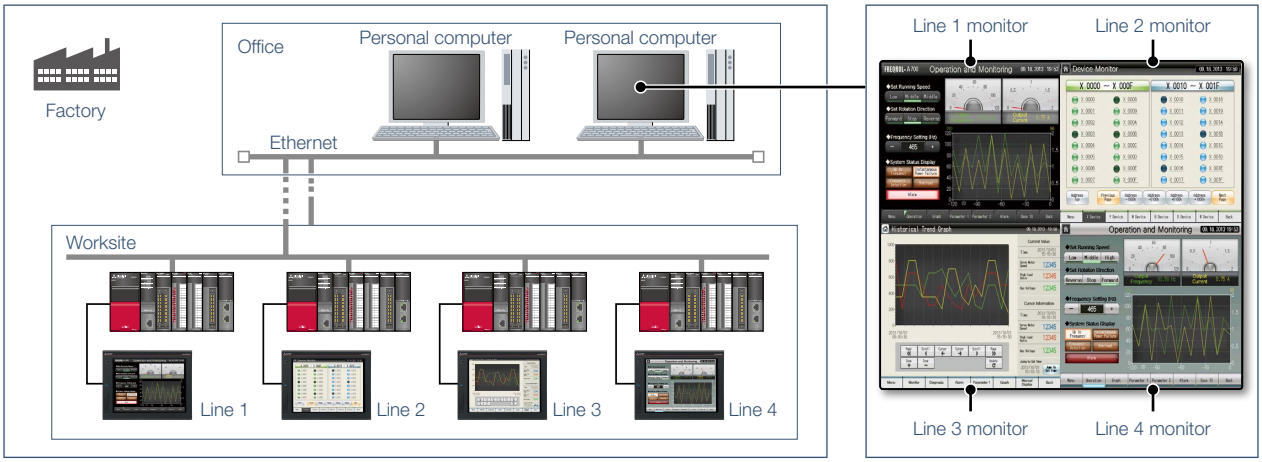
GT SoftGOT2000 Version1 is the software that has the same monitoring functions as the GOT2000 Series and is used on personal computers and panel controllers by connecting to various industrial devices.

✻ A separate license key must be mounted during use.



USB port license key

Monitor the production site from a remote location



Use GT SoftGOT2000 to monitor the production site from your office. You can collect information quickly when a problem occurs, taking necessary actions immediately. The GOT project file running at your production site can be reused as the GT SoftGOT2000 project file, greatly reducing your design costs.

Engage with MELSEC process control

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



❶ **PX Developer face plates, etc.**
Monitor, operate or tune the loop control tags.
(The display position can be specified.)

❷ **GT SoftGOT2000 touch switch/object**
Click on touch switches and objects to open the various screens of the PX Developer monitor tool. (The display position can be specified.)

❸ **PX Developer monitor tool bar**
Click on buttons to execute various operations such as starting GT SoftGOT2000 or switching base screens.

❹ **GT SoftGOT2000 base screen**
Turn your desktop into a graphic monitoring window with the full-screen and back-screen mode.

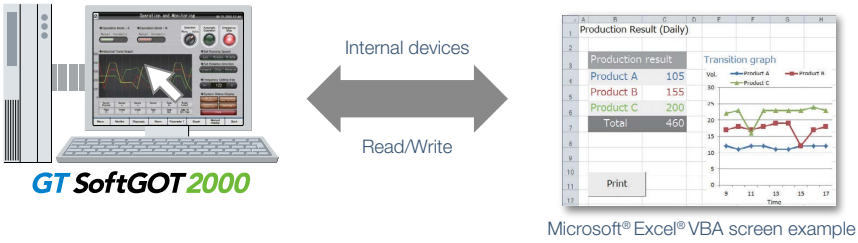
Security collaboration

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

Interaction with other applications

Read and write GT SoftGOT2000 internal devices using the user-created applications. Interaction with user-created applications makes it possible to build advanced systems.

✻ For the supported applications, please refer to an appropriate manual.



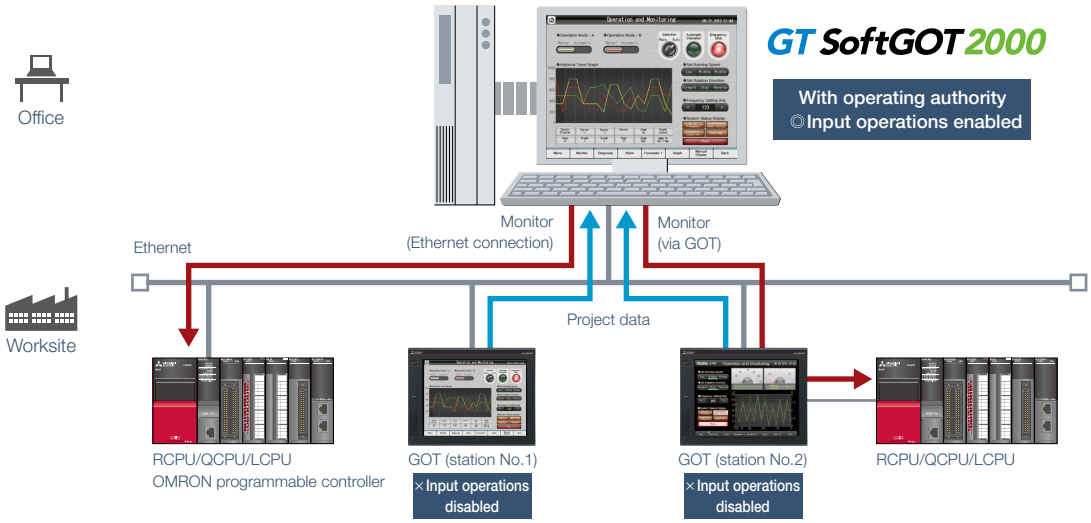
Microsoft® Excel® VBA screen example

Remote monitoring with SoftGOT

☑GT27 ☑GT25 ☐GT23 ☐GT21

SoftGOT-GOT link function

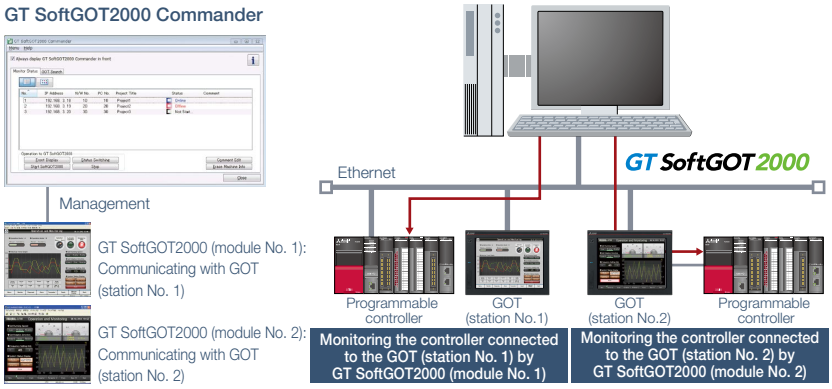
GT SoftGOT2000 allows remote monitoring of devices connected via Ethernet using the GOT project data. GT SoftGOT2000 and the GOT operate independently so that using a GOT internal device as the screen switching device enables GT SoftGOT2000 and the GOT to display different screens. Since GT SoftGOT2000 displays the GOT screen on the personal computer, the processing load on the GOT is reduced.



☑GT27 ☑GT25 ☐GT23 ☐GT21

GT SoftGOT2000 Commander

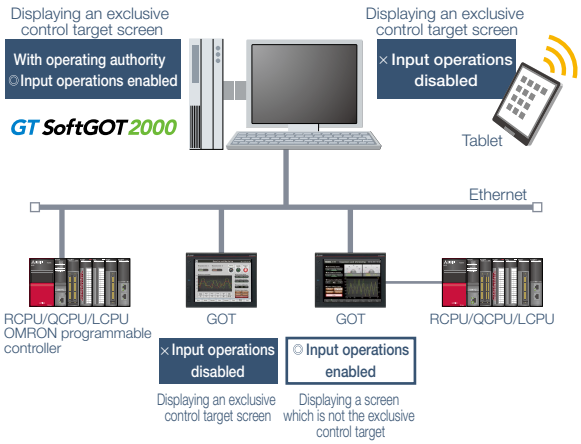
By using GT SoftGOT2000 Commander, multiple GT SoftGOT2000 modules using the SoftGOT-GOT link function can be efficiently managed, and the SoftGOT-GOT link function can be utilized easily.



☑GT27 ☑GT25 ☐GT23 ☐GT21

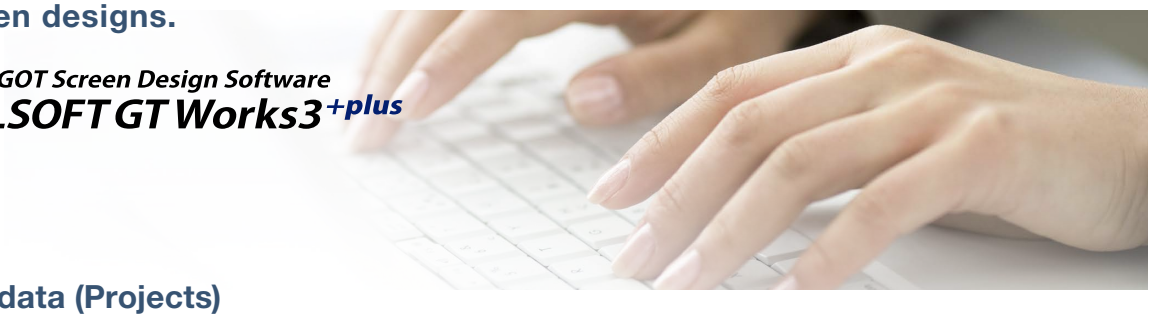
Safe with exclusive authorization control

The exclusive authorization control prevents simultaneous operations from multiple clients that use GT SoftGOT2000, GOT, VNC server/GOT Mobile function in the same network. The exclusive control can be enabled/disabled for each screen. (GOT network interaction)



Professional Designs in Just a Few Clicks

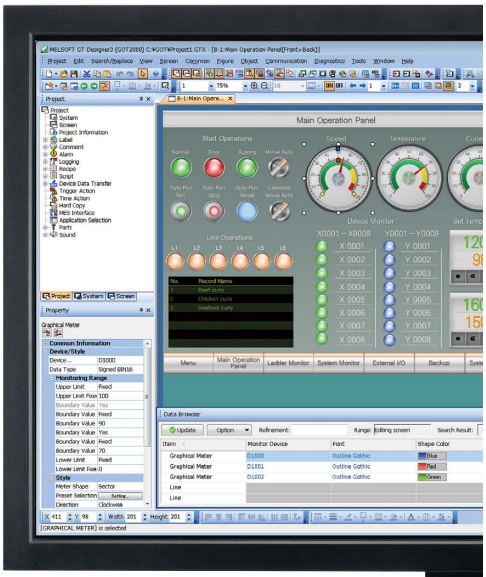
The GOT2000 introduces an efficient approach to reuse previously created screen designs.

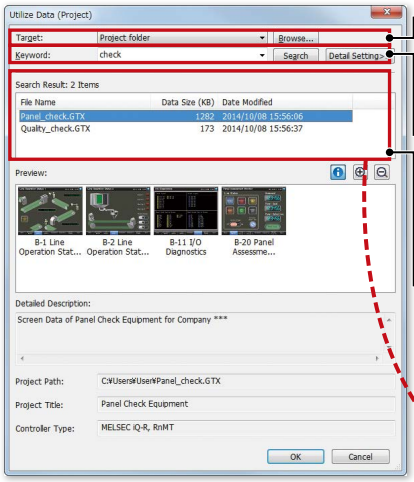


GOT Screen Design Software
MELSOFT GT Works3 +plus

Utilize data (Projects)

When creating a new project, search through the existing projects to find any existing projects that may be reused.
Keyword search helps narrow down the search.





Specify search range

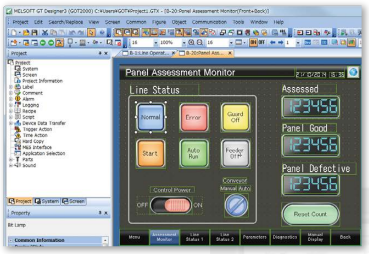
Select “Sample Project” to reuse a sample project.

Select or input a keyword

Select a prepared keyword or input an arbitrary keyword.

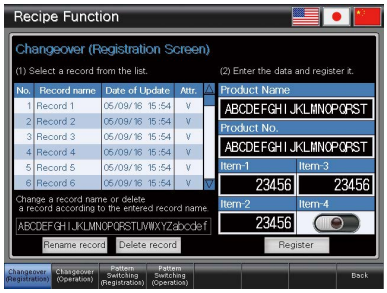
Search results are displayed

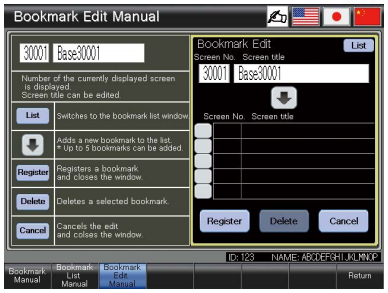
Choose the applicable project from the search result

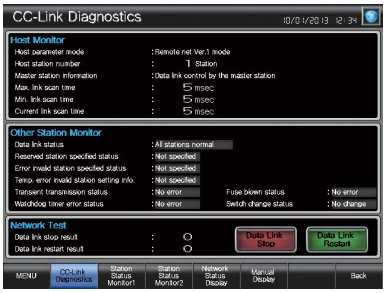


Sample projects [English, Japanese, Chinese (Simplified)]

GOT2000 has many sample projects that can be used when designing screens. Easily create a screen just by selecting a sample project.







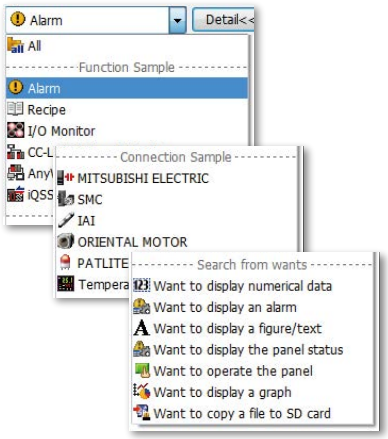
Utilize data (Screens)

Reuse individual screens from past or sample projects. The settings are also applied and reused so that you can create project data easily.

Search by target/category/keyword

Select a search target, category, or keyword and you can quickly find the screen you need.

Category list





NEW

Graphical meter

Create stylish, clear meters

NEW

Table

Easily create tables

Search results are displayed

Just drag and drop to easily apply associated settings to your screen.

NEW

Graphical meter

Just select a meter from the preset list and you can create stylish, clear meters. The position and angle of scales can be adjusted by mouse operation and the shape and design can be changed easily. Warning color display indicates the machine status clearly.

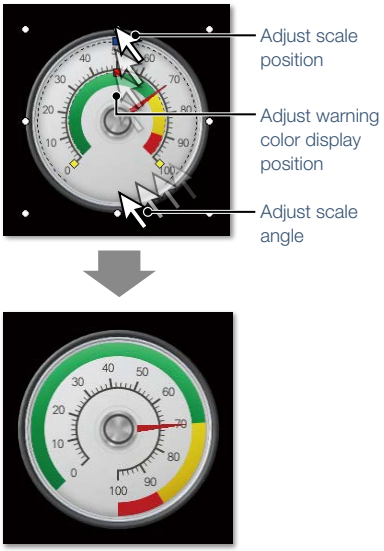
✻ To be supported by GT21 soon.

Select from the preset list



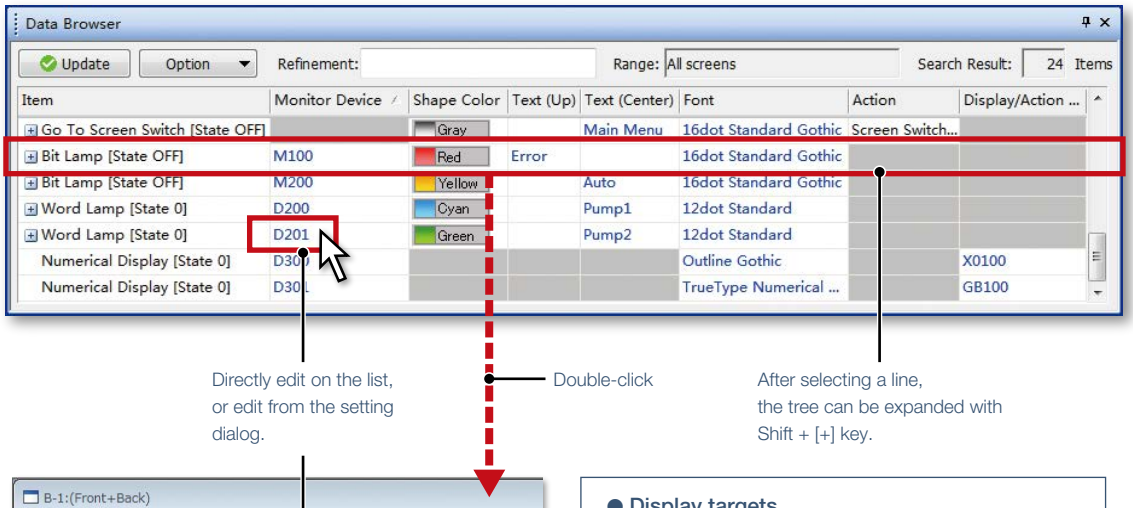
The list includes various choices

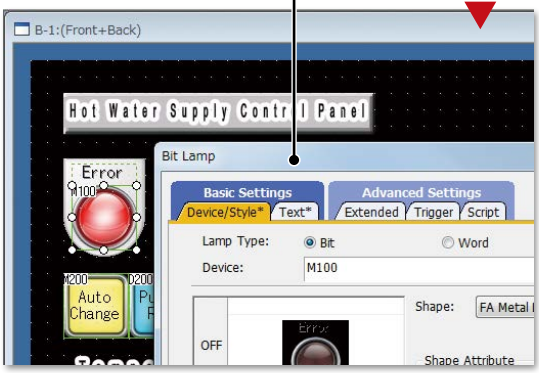
Easy to adjust settings by mouse operation



Data browser

The data browser shows a list of objects used in the project. The settings can be edited directly on the browser or by opening the setting dialog. You can easily identify any duplicate data and no longer have to open multiple screens.

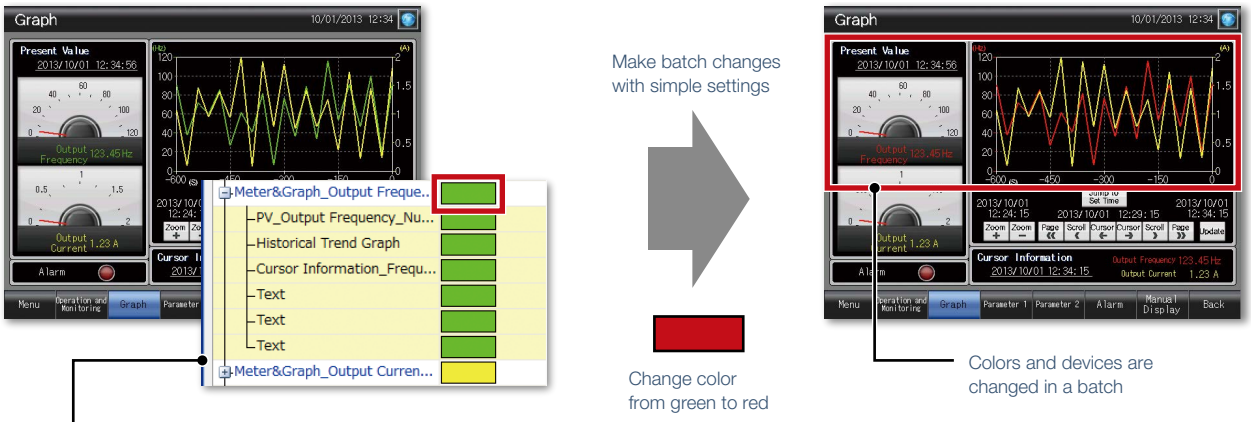




- **Display targets**
  Figures, objects, screen scripts, screen trigger actions
- **Editable details**
  Directly edit devices and text, etc.
  Change devices, text, colors, and figures in a batch
  Change action settings, fonts, and figures
  Change range settings of numerical displays and other objects
  Copy/paste multiple cells
  Sort and narrow down items by using devices/keywords
  Interchange columns with drag & drop

Template

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



Template attributes (color)

- Historical trend graph line color
- Text color
- Numerical display value color
- •
- •

- **Items that can be registered in templates**
  Figures, Objects
- **Attributes that can be registered and changed in templates**
  Device (Bit, Word), Numerical value, Text, Color, Figure, Font, Text size

Concept movie

Tablet version　Windows® version

NEW

e-Manual

e-Manual is the Mitsubishi Electric FA Electrical Document Manual with a dedicated viewer (e-Manual Viewer). Useful functions are included such as keyword search of multiple manuals, saving your favorites, saving memos, and others.



❶ Install e-Manual Viewer



❷ Always download the latest manuals.
Easy to update with just one click!

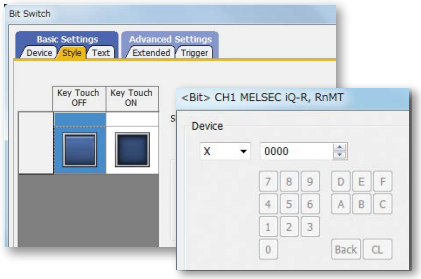


❸ Increase your screen design efficiently

Quickly confirm with F1 key

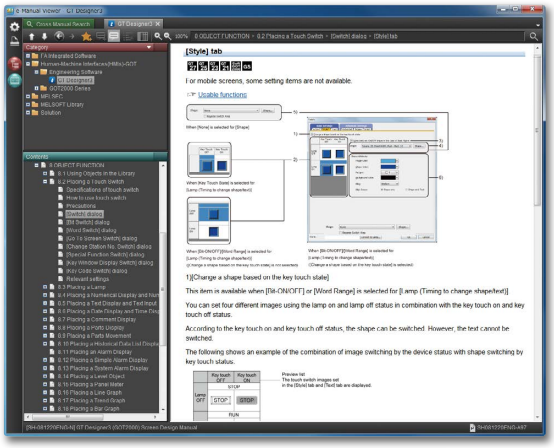
Press the F1 key in GT Works3 and jump to e-Manual for the dialog being edited! Quickly check setting methods and other information!

GT Works3





e-Manual



Easy to view, easy to use!

Easy to view contents, easy to use, useful functions help you access manuals efficiently. Quickly search for the information you need.



Cross Manual Search

Search required information from multiple manuals by keyword. You can get to the information you need without opening manuals one by one.

Bookmark

Bookmark frequently used manuals and pages and you can check the information quickly.

Note

Take a memo, such as know-how, and add it to the manual and you can customize manuals as you like.

Easily upgrade from GOT1000!

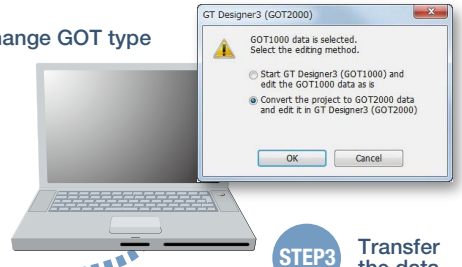
Simply change the GOT Type using the screen design software to upgrade your GOT1000 projects to GOT2000.
It will be a drop in replacement because the panel size is exactly the same.

STEP1 Replace GOT



GOT1000　GOT2000

STEP2 Change GOT type



STEP3 Transfer the data

✻ The screen data cannot be converted and the GOT type cannot be changed from GOT2000 to GOT1000.

Specifications

Function list

For details of functions, supported controllers, and connection types, please refer to the GOT2000 Series appropriate manuals or Help.

●: Supported —: Not supported

Category		Function name	Necessary devices *1	GT27	GT25	GT23	GT21	GT SoftGOT2000
Hardware specifications	Screen size	15"		●	—	—	—	
		12.1"		●	●	—	—	
		10.4"		●	●	●	—	
		8.4"		●	●	●	—	
		5.7"		●	—	—	—	
		4.3" Wide		—	—	—	●	
		3.8"		—	—	—	●	
	Resolution	XGA 1024 × 768		●	—	—	—	Flexible resolution 640 to 1920 × 480 to 1200
		SVGA 800 × 600		●	●	—	—	
		VGA 640 × 480		●	●	●	—	
		Other		—	—	—	GT2104-R: 480 × 272 GT2103: 320 × 128	
	Color	65536 colors		●	●	●	●	●
		Monochrome (black/white) 32 shade grayscale		—	—	—	●	—
	Touch panel simultaneous press (2 points)			●	—	—	—	—
	Human sensor			● *10	—	—	—	—
	Memory	Memory for storage (ROM)		Other than below: 57 MB GT2705: 32 MB	32 MB	9 MB	GT2104-R: 9 MB GT2103: 3 MB	57 MB
		Memory for operation (RAM)		Other than below: 128 MB GT2705: 80 MB	80 MB	9 MB	—	—
	Interface	RS-232		●	●	●	●	● *12
		RS-422/485		●	●	●	●	● *12
		Ethernet		●	●	●	●	● *11
		USB host		●	●	●	—	● *13
		USB device		●	●	●	●	
		SD memory card slot		●	●	●	● *14	● *13
		Extension interface, Side interface	Communication units, option units	● *11	● *11	—	—	● *11
Screen design	Figure/object functions	Figure		●	●	●	●	●
		Logo text		●	●	●	●	●
		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) NEW		●	●	●	—	●
		Line graph		●	●	●	●	●
		Trend graph		●	●	●	●	●
		Bar graph		●	●	●	●	●
		Statistic bar graph		●	●	●	●	●
		Statistic pie graph		●	●	●	●	●
		Scatter graph		●	●	●	●	●
		Historical trend graph	(SD memory card or USB memory)	●	●	●	● *16	●
		Graphical meter NEW		●	●	●	—	●
		Level		●	●	●	●	●
		Panelmeter		●	●	●	●	●
		Slider		●	●	●	●	●
		Document display	SD memory card	●	●	—	—	●
	Functions performed on background of GOT	Logging	(SD memory card or USB memory, battery)	●	●	●	● *6	●
		Recipe	(SD memory card or USB memory)	●	●	●	● *16	●
		Device data transfer		●	●	●	●	●
		Trigger action		●	●	●	●	●
		Time action	(SD memory card or USB memory)	●	●	●	●	●
		Hard copy: File output	SD memory card or USB memory	●	●	●	● *6	●
		Hard copy: Serial printer output		●	●	●	● *6	● *2
		Hard copy: PictBridge printer output	Printer unit	●	●	—	—	● *2
		Project script, Screen script		●	●	●	●	●
		Object script		●	●	●	—	●
	Functions used with peripheral devices	Barcode function		●	●	●	● *6	●
		RFID function		●	●	●	● *6	●
		GOT Mobile function NEW	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	—	—	—	—

For details of functions, supported controllers, and connection types, please refer to the GOT2000 Series appropriate manuals or Help.

●: Supported —: Not supported

Category	Function name		Necessary devices *1	GT27	GT25	GT23	GT21	GT SoftGOT2000
Screen design / Functions used with peripheral devices	External I/O function		External I/O unit	●	●	—	—	—
	Operation panel function		External I/O unit	●	●	—	—	●
	RGB output function		RGB output unit	● *8	—	—	—	—
	Report function	Serial printer output	(SD memory card or USB memory)	●	●	●	● *6	● *3
		PictBridge printer output	SD memory card or USB memory, printer unit	●	●	—	—	● *3
	Sound output function		Sound output unit	●	●	—	—	●
	Server function, Client function			●	●	—	—	—
	Mail send function			●	●	—	—	●
	FTP server function		(SD memory card or USB memory)	●	●	●	● *15 NEW	—
	File transfer function (FTP transfer)		SD memory card or USB memory	●	●	●	● *15 NEW	—
	File transfer function (GOT internal transfer) NEW		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 NEW			●	●	—	—	—
	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			● *9 4 channels (Up to 3 units)	● 4 channels (Up to 3 units)	● 2 channels (No units can be mounted)	● *6 2 channels (No units can be mounted)	—
	Station No. switching			●	●	●	●	●
	GOT network interaction NEW			●	●	●	—	●
	Screen gesture function			●	—	—	—	—
	Object gesture function			●	—	—	—	—
	Security key authentication function			●	●	●	—	—
	IP filter function			●	●	●	—	—
	File manager NEW		(SD memory card or USB memory)	●	●	●	—	—
	Vertical display *5			● (Rotate 90 ° to left)	● (Rotate 90 ° to left)	● (Rotate 90 ° to left)	● (Rotate 90 ° to right)	—
Maintenance functions	Device monitor			●	●	●	●	—
	Sequence program monitor (Ladder)		SD memory card or USB memory	●	●	—	—	—
	Sequence program monitor (SFC)		SD memory card or USB memory	●	●	—	—	—
	Network monitor			●	●	—	—	—
	Intelligent module monitor			●	●	—	—	—
	Drive recorder 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			● *4	● *4	—	—	—
	CNC data I/O		SD memory card or USB memory	● *4	● *4	—	—	—
	CNC machining program edit			● *4	● *4	—	—	—
	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			●	●	●	—	—
	MELSEC-L troubleshooting			●	●	—	—	—

*1 Necessary units when using GT27, GT25, GT23, or GT21 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 appropriate manuals or the Help.

*6 Excluding GT2103-PMBLS.

*7 GT2104-RTBD only.

*8 Excluding GT2705.

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

*10 GT2715, GT2712 only.

*11 For the applicable communication units and option units, please refer to the product list (page 40) and appropriate manuals.

*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 requires an SD memory card unit (GT21-03SDCD) separately. GT2103-PMBLS does not allow for SD memory cards.

*15 GT2104-R, GT2103-PMBD only.

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

Specifications

For inquiries relating to the latest status of GOTs conforming to various standards and laws (CE, ATEX [to be obtained soon], UL/cUL, Class I Division 2, EAC, KC, KCs [to be obtained soon], and maritime certifications [ABS/BV/DNV GL/LR/NK/RINA]), please contact your local sales office.

Specification list

Category		GT27 model					
		GT2715-XTBA	GT2715-XTBD	GT2712-STBA	GT2712-STBD	GT2712-STWA	GT2712-STWD
							
Hardware specifications	Panel color	Black		Black		White	
	Display device	TFT color LCD 65536 colors		TFT color LCD 65536 colors		TFT color LCD 65536 colors	
	Screen size	15"		12.1"		12.1"	
	Resolution	XGA: 1024 × 768 dots		SVGA: 800 × 600 dots		SVGA: 800 × 600 dots	
	Display size (W × H)	304.1 × 228.1 mm (11.97 × 8.98 inch)		246 × 184.5 mm (9.69 × 7.26 inch)		246 × 184.5 mm (9.69 × 7.26 inch)	
	Backlight	White LED (not replaceable)		White LED (not replaceable)		White LED (not replaceable)	
	Backlight life ✻1	Approx. 60000 h		Approx. 60000 h		Approx. 60000 h	
	Touch panel simultaneous press (2 points)	●		●		●	
	Human sensor	●		●		●	
	User memory	Memory for storage (ROM): 57 MB Memory for operation (RAM): 128 MB		Memory for storage (ROM): 57 MB Memory for operation (RAM): 128 MB		Memory for storage (ROM): 57 MB Memory for operation (RAM): 128 MB	
	RS-232 interface	●		●		●	
	RS-422/485 interface	●		●		●	
	Ethernet interface	●		●		●	
	USB (host: USB-A)	● 2 channels (front face, rear face)		● 2 channels (front face, rear face)		● 1 channel (rear face)	
	USB (device: USB Mini-B)	● 1 channel (front face)		● 1 channel (front face)		● 1 channel (rear face)	
	SD memory card slot	●		●		●	
	Extension interface/Side interface ✻2	Communication units (serial, bus, CC-Link IE, MELSECNET, PROFIBUS, DeviceNet, wireless LAN), option units can be installed.					
	Protective structure ✻3	Front: IP67F ✻7 ✻9 Inside control panel: IP2X		Front: IP67F ✻7 ✻9 Inside control panel: IP2X		Front: IP67F ✻9 Inside control panel: IP2X	
	Safety standards/Radio laws	CE, UL, cUL, KC		CE, UL, cUL, KC		CE, UL, cUL, Class I Division 2, KC	CE, ATEX [to be obtained soon] ✻14, UL, cUL, Class I Division 2, KC, KCs [to be obtained soon] ✻14
	Maritime certifications	ABS/BV/DNV GL/LR/NK/RINA		ABS/BV/DNV GL/LR/NK/RINA		ABS/BV/DNV GL/LR/NK/RINA	
	External dimensions (W × H × D)	397 × 300 × 60 mm (15.63 × 11.81 × 2.36 inch)		316 × 246 × 52 mm (12.44 × 9.69 × 2.05 inch)		316 × 246 × 52 mm (12.44 × 9.69 × 2.05 inch)	
	Panel cut dimensions (W × H)	383.5 × 282.5 mm (15.10 × 11.12 inch)		302 × 228 mm (11.89 × 8.98 inch)		302 × 228 mm (11.89 × 8.98 inch)	
	Weight (excluding a fitting)	4.5 kg (9.9 lb)		2.4 kg (5.3 lb)		2.4 kg (5.3 lb)	
	Operating ambient temperature ✻10	0 °C to 55 °C ✻11		0 °C to 55 °C ✻11		0 °C to 55 °C ✻11	
	Storage ambient temperature	–20 °C to 60 °C		–20 °C to 60 °C		–20 °C to 60 °C	
	Operating ambient humidity	10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing	
	Storage ambient humidity	10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing	
	Power supply voltage	100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)	100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)	100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)
	Power supply frequency	50 Hz/60 Hz (±5%)	—	50 Hz/60 Hz (±5%)	—	50 Hz/60 Hz (±5%)	—
Controller connection ✻6	Mitsubishi Electric Corporation	●		●		●	
	Allen-Bradley (Rockwell Automation, Inc.)	●		●		●	
	KEYENCE CORPORATION	●		●		●	
	OMRON Corporation	●		●		●	
	Siemens AG	●		●		●	

✻1 Time for display intensity reaches 50% at ambient temperature of 25 °C.
✻2 For the details of connectable units, please refer to an appropriate manual.
✻3 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.
✻4 The SD memory card unit (GT21-03SDCD), sold separately, needs to be mounted.
✻5 The dimension when the SD memory card unit (GT21-03SDCD) is mounted is 113(W) × 74(H) × 32(D) mm (4.45(W) × 2.91(H) × 1.26(D) inch).
✻6 For the details of connectable models and system configurations, please refer to an appropriate manual.
✻7 To conform to IP67F, close the USB environmental protection cover by pushing the [PUSH] mark firmly. (To conform to IP2X, open the USB environmental protection cover.)
✻8 To conform to IP67F attach the environmental protection sheet.

For the details of functions, supported controllers, and connection types, please refer to the GOT2000 Series appropriate manuals or Help.

●: Supported —: Not supported

GT27 model							
GT2710-STBA	GT2710-STBD	GT2710-VTBA	GT2710-VTBD	GT2710-VTWA	GT2710-VTWD	GT2708-STBA	GT2708-STBD
							
Black		Black		White		Black	
TFT color LCD 65536 colors		TFT color LCD 65536 colors		TFT color LCD 65536 colors		TFT color LCD 65536 colors	
10.4"		10.4"		10.4"		8.4"	
SVGA: 800 × 600 dots		VGA: 640 × 480 dots		VGA: 640 × 480 dots		SVGA: 800 × 600 dots	
211.2 × 158.4 mm (8.31 × 6.24 inch)		211.2 × 158.4 mm (8.31 × 6.24 inch)		211.2 × 158.4 mm (8.31 × 6.24 inch)		170.9 × 128.2 mm (6.73 × 5.05 inch)	
White LED (not replaceable)		White LED (not replaceable)		White LED (not replaceable)		White LED (not replaceable)	
Approx. 60000 h		Approx. 60000 h		Approx. 60000 h		Approx. 60000 h	
●		●		●		●	
—		—		—		—	
Memory for storage (ROM): 57 MB Memory for operation (RAM): 128 MB		Memory for storage (ROM): 57 MB Memory for operation (RAM): 128 MB		Memory for storage (ROM): 57 MB Memory for operation (RAM): 128 MB		Memory for storage (ROM): 57 MB Memory for operation (RAM): 128 MB	
●		●		●		●	
●		●		●		●	
●		●		●		●	
● 2 channels (front face, rear face)		● 2 channels (front face, rear face)		● 1 channel (rear face)		● 2 channels (front face, rear face)	
● 1 channel (front face)		● 1 channel (front face)		● 1 channel (rear face)		● 1 channel (front face)	
●		●		●		●	
Communication units (serial, bus, CC-Link IE, MELSECNET, PROFIBUS, DeviceNet, wireless LAN), option units can be installed.							
Front: IP67F ✻7 ✻9 Inside control panel: IP2X		Front: IP67F ✻7 ✻9 Inside control panel: IP2X		Front: IP67F ✻9 Inside control panel: IP2X		Front: IP67F ✻7 ✻9 Inside control panel: IP2X	
CE, UL, cUL, KC		CE, UL, cUL, KC		CE, UL, cUL, Class I Division 2, KC	CE, ATEX [to be obtained soon] ✻14, UL, cUL, Class I Division 2, KC, KCs [to be obtained soon] ✻14	CE, UL, cUL, KC	
ABS/BV/DNV GL/LR/NK/RINA		ABS/BV/DNV GL/LR/NK/RINA		ABS/BV/DNV GL/LR/NK/RINA		ABS/BV/DNV GL/LR/NK/RINA	
303 × 218 × 52 mm (11.93 × 8.58 × 2.05 inch)		303 × 218 × 52 mm (11.93 × 8.58 × 2.05 inch)		303 × 218 × 52 mm (11.93 × 8.58 × 2.05 inch)		241 × 194 × 52 mm (9.49 × 7.64 × 2.05 inch)	
289 × 200 mm (11.38 × 7.87 inch)		289 × 200 mm (11.38 × 7.87 inch)		289 × 200 mm (11.38 × 7.87 inch)		227 × 176 mm (8.94 × 6.93 inch)	
2.1 kg (4.6 lb)		2.1 kg (4.6 lb)		2.1 kg (4.6 lb)		1.5 kg (3.3 lb)	
0 °C to 55 °C ✻11		0 °C to 55 °C ✻11		0 °C to 55 °C ✻11		0 °C to 55 °C ✻11	
–20 °C to 60 °C		–20 °C to 60 °C		–20 °C to 60 °C		–20 °C to 60 °C	
10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing	
10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing	
100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)	100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)	100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)	100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)
50 Hz/60 Hz (±5%)	—	50 Hz/60 Hz (±5%)	—	50 Hz/60 Hz (±5%)	—	50 Hz/60 Hz (±5%)	—
●		●		●		●	
●		●		●		●	
●		●		●		●	
●		●		●		●	
●		●		●		●	

✻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 The operating ambient temperature includes the temperature inside the enclosure of the control panel to which the GOT is installed.

✻11 When any of the following units is mounted, the maximum operating ambient temperature must be 5 °C lower than the one described in the specification list: multimedia unit (GT27-MMR-Z), MELSECNET/H communication unit (GT15-J71LP23-25, GT15-J71BR13), CC-Link communication unit (GT15-J61BT13).

✻12 When any of the following units is mounted, the maximum operating ambient temperature must be 5 °C lower than the one described in the specification list: MELSECNET/H communication unit (GT15-J71LP23-25, GT15-J71BR13), CC-Link communication unit (GT15-J61BT13).

✻13 If the ambient temperature exceeds 40 °C, the absolute humidity must not exceed 90% RH at 40 °C.

✻14 To conform to ATEX/KCs standard, use GOT model that conforms to the standard with appropriate options (protective sheet and special fittings) that are required separately. For the required options, please refer to page 42 and page 43.

Specifications

For inquiries relating to the latest status of GOTs conforming to various standards and laws (CE, ATEX [to be obtained soon], UL/cUL, Class I Division 2, EAC, KC, KCs [to be obtained soon], and maritime certifications [ABS/BV/DNV GL/LR/NK/RINA]), please contact your local sales office.

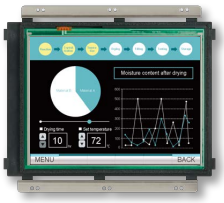
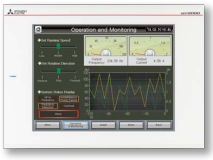
Specification list

Category		GT27 model			GT25 model	
		GT2708-VTBA	GT2708-VTBD	GT2705-VTBD	GT2512-STBA	GT2512-STBD
						
Hardware specifications	Panel color	Black		Black	Black	
	Display device	TFT color LCD 65536 colors		TFT color LCD 65536 colors	TFT color LCD 65536 colors	
	Screen size	8.4"		5.7"	12.1"	
	Resolution	VGA: 640 × 480 dots		VGA: 640 × 480 dots	SVGA: 800 × 600 dots	
	Display size (W × H)	170.9 × 128.2 mm (6.73 × 5.05 inch)		115.2 × 86.4 mm (4.54 × 3.40 inch)	246 × 184.5 mm (9.69 × 7.26 inch)	
	Backlight	White LED (not replaceable)		White LED (not replaceable)	White LED (not replaceable)	
	Backlight life ✻1	Approx. 60000 h		Approx. 60000 h	Approx. 60000 h	
	Touch panel simultaneous press (2 points)	●		●	—	
	Human sensor	—		—	—	
	User memory	Memory for storage (ROM): 57 MB Memory for operation (RAM): 128 MB		Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB	Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB	
	RS-232 interface	●		●	●	
	RS-422/485 interface	●		●	●	
	Ethernet interface	●		●	●	
	USB (host: USB-A)	● 2 channels (front face, rear face)		● 2 channels (front face, rear face)	● 2 channels (front face, rear face)	
	USB (device: USB Mini-B)	● 1 channel (front face)		● 1 channel (front face)	● 1 channel (front face)	
	SD memory card slot	●		●	●	
	Extension interface/Side interface ✻2	Communication units (serial, bus, CC-Link IE, MELSECNET, PROFIBUS, DeviceNet, wireless LAN), option units can be installed.				
	Protective structure ✻3	Front: IP67F ✻7 ✻9 Inside control panel: IP2X		Front: IP67F ✻7 ✻9 Inside control panel: IP2X	Front: IP67F ✻7 ✻9 Inside control panel: IP2X	
	Safety standards/Radio laws	CE, UL, cUL, KC		CE, UL, cUL, KC	CE, UL, cUL, KC	
	Maritime certifications	ABS/BV/DNV GL/LR/NK/RINA		ABS/BV/DNV GL/LR/NK/RINA	ABS/BV/DNV GL/LR/NK/RINA	
	External dimensions (W × H × D)	241 × 194 × 52 mm (9.49 × 7.64 × 2.05 inch)		167 × 139 × 60 mm (6.57 × 5.47 × 2.36 inch)	316 × 246 × 52 mm (12.44 × 9.69 × 2.05 inch)	
	Panel cut dimensions (W × H)	227 × 176 mm (8.94 × 6.93 inch)		153 × 121 mm (6.02 × 4.76 inch)	302 × 228 mm (11.89 × 8.98 inch)	
	Weight (excluding a fitting)	1.5 kg (3.3 lb)		1.0 kg (2.2 lb)	2.4 kg (5.3 lb)	
	Operating ambient temperature ✻10	0 °C to 55 °C ✻11		0 °C to 55 °C ✻12	0 °C to 55 °C ✻12	
	Storage ambient temperature	–20 °C to 60 °C		–20 °C to 60 °C	–20 °C to 60 °C	
	Operating ambient humidity	10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing	10% RH to 90% RH, non-condensing	
	Storage ambient humidity	10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing	10% RH to 90% RH, non-condensing	
	Power supply voltage	100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)	24 V DC (+25%, –20%)	100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)
	Power supply frequency	50 Hz/60 Hz (±5%)	—	—	50 Hz/60 Hz (±5%)	—
Controller connection ✻6	Mitsubishi Electric Corporation	●		●	●	
	Allen-Bradley (Rockwell Automation, Inc.)	●		●	●	
	KEYENCE CORPORATION	●		●	●	
	OMRON Corporation	●		●	●	
	Siemens AG	●		●	●	

✻1 Time for display intensity reaches 50% at ambient temperature of 25 °C.
✻2 For the details of connectable units, please refer to an appropriate manual.
✻3 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.
✻4 The SD memory card unit (GT21-03SDCD), sold separately, needs to be mounted.
✻5 The dimension when the SD memory card unit (GT21-03SDCD) is mounted is 113(W) × 74(H) × 32(D) mm (4.45(W) × 2.91(H) × 1.26(D) inch).
✻6 For the details of connectable models and system configurations, please refer to an appropriate manual.
✻7 To conform to IP67F, close the USB environmental protection cover by pushing the [PUSH] mark firmly. (To conform to IP2X, open the USB environmental protection cover.)
✻8 To conform to IP67F attach the environmental protection sheet.

For the details of functions, supported controllers, and connection types, please refer to the GOT2000 Series appropriate manuals or Help.

●: Supported —: Not supported

GT25 model							
GT2512F-STNA	GT2512F-STND	GT2510-VTBA	GT2510-VTBD	GT2510-VTWA	GT2510-VTWD	GT2510F-VTNA	GT2510F-VTND
 NEW						 NEW	
—		Black		White		—	
TFT color LCD 65536 colors		TFT color LCD 65536 colors		TFT color LCD 65536 colors		TFT color LCD 65536 colors	
12.1"		10.4"		10.4"		10.4"	
SVGA: 800 × 600 dots		VGA: 640 × 480 dots		VGA: 640 × 480 dots		VGA: 640 × 480 dots	
246 × 184.5 mm (9.69 × 7.26 inch)		211.2 × 158.4 mm (8.31 × 6.24 inch)		211.2 × 158.4 mm (8.31 × 6.24 inch)		211.2 × 158.4 mm (8.31 × 6.24 inch)	
White LED (not replaceable)		White LED (not replaceable)		White LED (not replaceable)		White LED (not replaceable)	
Approx. 60000 h		Approx. 60000 h		Approx. 60000 h		Approx. 60000 h	
—		—		—		—	
—		—		—		—	
Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB		Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB		Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB		Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB	
●		●		●		●	
●		●		●		●	
●		●		●		●	
● 1 channel (rear face)		● 2 channels (front face, rear face)		● 1 channel (rear face)		● 1 channel (rear face)	
● 1 channel (rear face)		● 1 channel (front face)		● 1 channel (rear face)		● 1 channel (rear face)	
●		●		●		●	
Communication units (serial, bus, CC-Link IE, MELSECNET, PROFIBUS, DeviceNet, wireless LAN), option units can be installed.							
Front: IP67F ✻8 ✻9 Inside control panel: IP2X		Front: IP67F ✻7 ✻9 Inside control panel: IP2X		Front: IP67F ✻9 Inside control panel: IP2X		Front: IP67F ✻8 ✻9 Inside control panel: IP2X	
CE, UL, cUL, KC		CE, UL, cUL, KC		CE, UL, cUL, Class I Division 2, KC	CE, ATEX [to be obtained soon] ✻14, UL, cUL, Class I Division 2, KC, KCs [to be obtained soon] ✻14	CE, UL, cUL, KC	
—		ABS/BV/DNV GL/LR/NK/RINA		ABS/BV/DNV GL/LR/NK/RINA		—	
311 × 237 × 54 mm (12.24 × 9.33 × 2.13 inch)		303 × 218 × 52 mm (11.93 × 8.58 × 2.05 inch)		303 × 218 × 52 mm (11.93 × 8.58 × 2.05 inch)		298 × 209 × 54 mm (11.73 × 8.23 × 2.13 inch)	
269 × 214 mm (10.59 × 8.43 inch)		289 × 200 mm (11.38 × 7.87 inch)		289 × 200 mm (11.38 × 7.87 inch)		234 × 187 mm (9.21 × 7.36 inch)	
2.4 kg (5.3 lb)		2.1 kg (4.6 lb)		2.1 kg (4.6 lb)		2.1 kg (4.6 lb)	
0 °C to 55 °C ✻12		0 °C to 55 °C ✻12		0 °C to 55 °C ✻12		0 °C to 55 °C ✻12	
–20 °C to 60 °C		–20 °C to 60 °C		–20 °C to 60 °C		–20 °C to 60 °C	
10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing	
10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing	
100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)	100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)	100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)	100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)
50 Hz/60 Hz (±5%)	—	50 Hz/60 Hz (±5%)	—	50 Hz/60 Hz (±5%)	—	50 Hz/60 Hz (±5%)	—
●		●		●		●	
●		●		●		●	
●		●		●		●	
●		●		●		●	
●		●		●		●	

✻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 The operating ambient temperature includes the temperature inside the enclosure of the control panel to which the GOT is installed.

✻11 When any of the following units is mounted, the maximum operating ambient temperature must be 5 °C lower than the one described in the specification list: multimedia unit (GT27-MMR-Z), MELSECNET/H communication unit (GT15-J71LP23-25, GT15-J71BR13), CC-Link communication unit (GT15-J61BT13).

✻12 When any of the following units is mounted, the maximum operating ambient temperature must be 5 °C lower than the one described in the specification list: MELSECNET/H communication unit (GT15-J71LP23-25, GT15-J71BR13), CC-Link communication unit (GT15-J61BT13).

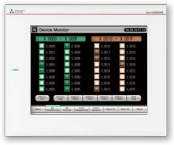
✻13 If the ambient temperature exceeds 40 °C, the absolute humidity must not exceed 90% RH at 40 °C.

✻14 To conform to ATEX/KCs standard, use GOT model that conforms to the standard with appropriate options (protective sheet and special fittings) that are required separately. For the required options, please refer to page 42 and page 43.

Specifications

For inquiries relating to the latest status of GOTs conforming to various standards and laws (CE, ATEX [to be obtained soon], UL/cUL, Class I Division 2, EAC, KC, KCs [to be obtained soon], and maritime certifications [ABS/BV/DNV GL/LR/NK/RINA]), please contact your local sales office.

Specification list

Category		GT25 model					
		GT2508-VTBA	GT2508-VTBD	GT2508-VTWA	GT2508-VTWD	GT2508F-VTNA	GT2508F-VTND
						 NEW	
Hardware specifications	Panel color	Black		White		—	
	Display device	TFT color LCD 65536 colors		TFT color LCD 65536 colors		TFT color LCD 65536 colors	
	Screen size	8.4"		8.4"		8.4"	
	Resolution	VGA: 640 × 480 dots		VGA: 640 × 480 dots		VGA: 640 × 480 dots	
	Display size (W × H)	170.9 × 128.2 mm (6.73 × 5.05 inch)		170.9 × 128.2 mm (6.73 × 5.05 inch)		170.9 × 128.2 mm (6.73 × 5.05 inch)	
	Backlight	White LED (not replaceable)		White LED (not replaceable)		White LED (not replaceable)	
	Backlight life ✻1	Approx. 60000 h		Approx. 60000 h		Approx. 60000 h	
	Touch panel simultaneous press (2 points)	—		—		—	
	Human sensor	—		—		—	
	User memory	Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB		Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB		Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB	
	RS-232 interface	●		●		●	
	RS-422/485 interface	●		●		●	
	Ethernet interface	●		●		●	
	USB (host: USB-A)	● 2 channels (front face, rear face)		● 1 channel (rear face)		● 1 channel (rear face)	
	USB (device: USB Mini-B)	● 1 channel (front face)		● 1 channel (rear face)		● 1 channel (rear face)	
	SD memory card slot	●		●		●	
	Extension interface/Side interface ✻2	Communication units (serial, bus, CC-Link IE, MELSECNET, PROFIBUS, DeviceNet, wireless LAN), option units can be installed.					
	Protective structure ✻3	Front: IP67F ✻7 ✻9 Inside control panel: IP2X		Front: IP67F ✻9 Inside control panel: IP2X		Front: IP67F ✻8 ✻9 Inside control panel: IP2X	
	Safety standards/Radio laws	CE, UL, cUL, KC		CE, UL, cUL, Class I Division 2, KC	CE, ATEX [to be obtained soon] ✻14, UL, cUL, Class I Division 2, KC, KCs [to be obtained soon] ✻14	CE, UL, cUL, KC	
	Maritime certifications	ABS/BV/DNV GL/LR/NK/RINA		ABS/BV/DNV GL/LR/NK/RINA		—	
	External dimensions (W × H × D)	241 × 194 × 52 mm (9.49 × 7.64 × 2.05 inch)		241 × 194 × 52 mm (9.49 × 7.64 × 2.05 inch)		236 × 185 × 54 mm (9.29 × 7.28 × 2.13 inch)	
	Panel cut dimensions (W × H)	227 × 176 mm (8.94 × 6.93 inch)		227 × 176 mm (8.94 × 6.93 inch)		194 × 158 mm (7.64 × 6.22 inch)	
	Weight (excluding a fitting)	1.5 kg (3.3 lb)		1.5 kg (3.3 lb)		1.5 kg (3.3 lb)	
	Operating ambient temperature ✻10	0 °C to 55 °C ✻12		0 °C to 55 °C ✻12		0 °C to 55 °C ✻12	
	Storage ambient temperature	–20 °C to 60 °C		–20 °C to 60 °C		–20 °C to 60 °C	
	Operating ambient humidity	10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing	
	Storage ambient humidity	10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing		10% RH to 90% RH, non-condensing	
	Power supply voltage	100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)	100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)	100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)
	Power supply frequency	50 Hz/60 Hz (±5%)	—	50 Hz/60 Hz (±5%)	—	50 Hz/60 Hz (±5%)	—
Controller connection ✻6	Mitsubishi Electric Corporation	●		●		●	
	Allen-Bradley (Rockwell Automation, Inc.)	●		●		●	
	KEYENCE CORPORATION	●		●		●	
	OMRON Corporation	●		●		●	
	Siemens AG	●		●		●	

✻1 Time for display intensity reaches 50% at ambient temperature of 25 °C.
✻2 For the details of connectable units, please refer to an appropriate manual.
✻3 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.
✻4 The SD memory card unit (GT21-03SDCD), sold separately, needs to be mounted.
✻5 The dimension when the SD memory card unit (GT21-03SDCD) is mounted is 113(W) × 74(H) × 32(D) mm (4.45(W) × 2.91(H) × 1.26(D) inch).
✻6 For the details of connectable models and system configurations, please refer to an appropriate manual.
✻7 To conform to IP67F, close the USB environmental protection cover by pushing the [PUSH] mark firmly. (To conform to IP2X, open the USB environmental protection cover.)
✻8 To conform to IP67F attach the environmental protection sheet.

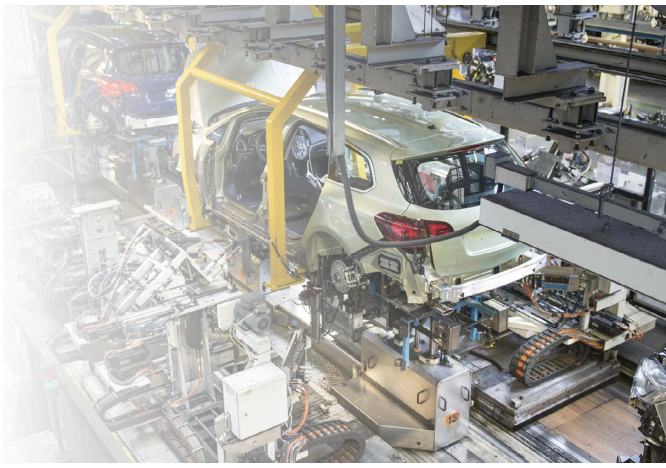
For the details of functions, supported controllers, and connection types, please refer to the GOT2000 Series appropriate manuals or Help.

●: Supported —: Not supported

GT23 model			
GT2310-VTBA	GT2310-VTBD	GT2308-VTBA	GT2308-VTBD
			
Black		Black	
TFT color LCD 65536 colors		TFT color LCD 65536 colors	
10.4"		8.4"	
VGA: 640 × 480 dots		VGA: 640 × 480 dots	
211.2 × 158.4 mm (8.31 × 6.24 inch)		170.9 × 128.2 mm (6.73 × 5.05 inch)	
White LED (not replaceable)		White LED (not replaceable)	
Approx. 50000 h		Approx. 50000 h	
—		—	
—		—	
Memory for storage (ROM): 9 MB Memory for operation (RAM): 9 MB		Memory for storage (ROM): 9 MB Memory for operation (RAM): 9 MB	
●		●	
●		●	
●		●	
● 1 channel (rear face)		● 1 channel (rear face)	
● 1 channel (rear face)		● 1 channel (rear face)	
●		●	
—		—	
Front: IP67F ✻9 Inside control panel: IP2X		Front: IP67F ✻9 Inside control panel: IP2X	
CE, UL, cUL, KC		CE, UL, cUL, KC	
—		—	
303 × 218 × 56 mm (11.93 × 8.58 × 2.20 inch)		241 × 194 × 56 mm (9.49 × 7.64 × 2.20 inch)	
289 × 200 mm (11.38 × 7.87 inch)		227 × 176 mm (8.94 × 6.93 inch)	
1.9 kg (4.2 lb)		1.5 kg (3.3 lb)	
0 °C to 55 °C		0 °C to 55 °C	
–20 °C to 60 °C		–20 °C to 60 °C	
10% RH to 90% RH, non-condensing ✻13		10% RH to 90% RH, non-condensing ✻13	
10% RH to 90% RH, non-condensing ✻13		10% RH to 90% RH, non-condensing ✻13	
100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)	100 V AC to 240 V AC (+10%, –15%)	24 V DC (+25%, –20%)
50 Hz/60 Hz (±5%)	—	50 Hz/60 Hz (±5%)	—
●		●	
●		●	
●		●	
●		●	
●		●	







✻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 The operating ambient temperature includes the temperature inside the enclosure of the control panel to which the GOT is installed.

✻11 When any of the following units is mounted, the maximum operating ambient temperature must be 5 °C lower than the one described in the specification list: multimedia unit (GT27-MMR-Z), MELSECNET/H communication unit (GT15-J71LP23-25, GT15-J71BR13), CC-Link communication unit (GT15-J61BT13).

✻12 When any of the following units is mounted, the maximum operating ambient temperature must be 5 °C lower than the one described in the specification list: MELSECNET/H communication unit (GT15-J71LP23-25, GT15-J71BR13), CC-Link communication unit (GT15-J61BT13).

✻13 If the ambient temperature exceeds 40 °C, the absolute humidity must not exceed 90% RH at 40 °C.

✻14 To conform to ATEX/KCs standard, use GOT model that conforms to the standard with appropriate options (protective sheet and special fittings) that are required separately. For the required options, please refer to page 42 and page 43.

Specifications

For inquiries relating to the latest status of GOTs conforming to various standards and laws (CE, ATEX [to be obtained soon], UL/cUL, Class I Division 2, EAC, KC, KCs [to be obtained soon], and maritime certifications [ABS/BV/DNV GL/LR/NK/RINA]), please contact your local sales office.

Specification list

Category		GT21 model		
		GT2104-RTBD	GT2103-PMBD	GT2103-PMBDS
				
Hardware specifications	Panel color	Black	Black	Black
	Display device	TFT color LCD 65536 colors	TFT monochrome (black/white) LCD 32 shade grayscale	TFT monochrome (black/white) LCD 32 shade grayscale
	Screen size	4.3" Wide	3.8"	3.8"
	Resolution	480 × 272 dots	320 × 128 dots	320 × 128 dots
	Display size (W × H)	95.0 × 53.8 mm (3.74 × 2.12 inch)	89.0 × 35.6 mm (3.50 × 1.40 inch)	89.0 × 35.6 mm (3.50 × 1.40 inch)
	Backlight	White LED (not replaceable)	5-color LED (white, green, pink, orange, red) (not replaceable)	5-color LED (white, green, pink, orange, red) (not replaceable)
	Backlight life ✻1	Approx. 50000 h	Approx. 50000 h	Approx. 50000 h
	Touch panel simultaneous press (2 points)	—	—	—
	Human sensor	—	—	—
	User memory	Memory for storage (ROM): 9 MB	Memory for storage (ROM): 3 MB	Memory for storage (ROM): 3 MB
	RS-232 interface	●	—	●
	RS-422/485 interface	●	●	●
	Ethernet interface	●	●	—
	USB (host: USB-A)	—	—	—
	USB (device: USB Mini-B)	● 1 channel (rear face)	● 1 channel (rear face)	● 1 channel (rear face)
	SD memory card slot	●	● ✻4	● ✻4
	Extension interface/Side interface ✻2	—	—	—
	Protective structure ✻3	Front: IP67F ✻9 Inside control panel: IP2X	Front: IP67F ✻9 Inside control panel: IP2X	Front: IP67F ✻9 Inside control panel: IP2X
	Safety standards/Radio laws	CE, UL, cUL, KC	CE, UL, cUL, KC	CE, UL, cUL, KC
	Maritime certifications	—	—	—
	External dimensions (W × H × D)	128 × 102 × 40 mm (5.04 × 4.02 × 1.57 inch)	113 × 74 × 32 mm (4.45 × 2.91 × 1.26 inch)	113 × 74 × 27 mm ✻5 (4.45 × 2.91 × 1.06 inch)
	Panel cut dimensions (W × H)	118 × 92 mm (4.65 × 3.62 inch)	105 × 66 mm (4.13 × 2.60 inch)	105 × 66 mm (4.13 × 2.60 inch)
	Weight (excluding a fitting)	0.4 kg (0.88 lb)	0.2 kg (0.44 lb)	0.2 kg (0.44 lb)
	Operating ambient temperature ✻10	0 °C to 55 °C (horizontal installation), 0 °C to 50 °C (vertical installation)	0 °C to 55 °C (horizontal installation), 0 °C to 50 °C (vertical installation)	0 °C to 55 °C (horizontal installation), 0 °C to 50 °C (vertical installation)
	Storage ambient temperature	–20 °C to 60 °C	–20 °C to 60 °C	–20 °C to 60 °C
	Operating ambient humidity	10% RH to 90% RH, non-condensing ✻13	10% RH to 90% RH, non-condensing ✻13	10% RH to 90% RH, non-condensing ✻13
	Storage ambient humidity	10% RH to 90% RH, non-condensing ✻13	10% RH to 90% RH, non-condensing ✻13	10% RH to 90% RH, non-condensing ✻13
	Power supply voltage	24 V DC (+10%, –15%)	24 V DC (+10%, –15%)	24 V DC (+10%, –15%)
	Power supply frequency	—	—	—
Controller connection ✻6	Mitsubishi Electric Corporation	●	●	●
	Allen-Bradley (Rockwell Automation, Inc.)	●	—	●
	KEYENCE CORPORATION	●	●	●
	OMRON Corporation	●	●	●
	Siemens AG	●	—	●

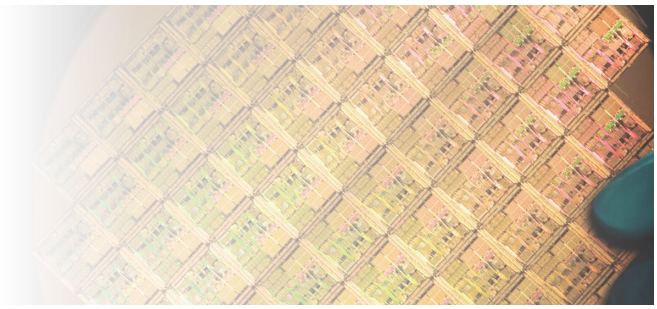
✻1 Time for display intensity reaches 50% at ambient temperature of 25 °C.
✻2 For the details of connectable units, please refer to an appropriate manual.
✻3 Note that the structure does not guarantee protection in all users' environments. The GOT may not be used in certain environments where it is subjected to splashing oil or chemicals for a long period of time or soaked in oil mist.
✻4 The SD memory card unit (GT21-03SDCD), sold separately, needs to be mounted.
✻5 The dimension when the SD memory card unit (GT21-03SDCD) is mounted is 113(W) × 74(H) × 32(D) mm (4.45(W) × 2.91(H) × 1.26(D) inch).
✻6 For the details of connectable models and system configurations, please refer to an appropriate manual.
✻7 To conform to IP67F, close the USB environmental protection cover by pushing the [PUSH] mark firmly. (To conform to IP2X, open the USB environmental protection cover.)
✻8 To conform to IP67F attach the environmental protection sheet.

For the details of functions, supported controllers, and connection types, please refer to the GOT2000 Series appropriate manuals or Help.

●: Supported —: Not supported

GT21 model	
GT2103-PMBDS2	GT2103-PMBLS
	
Black	Black
TFT monochrome (black/white) LCD 32 shade grayscale	TFT monochrome (black/white) LCD 32 shade grayscale
3.8"	3.8"
320 × 128 dots	320 × 128 dots
89.0 × 35.6 mm (3.50 × 1.40 inch)	89.0 × 35.6 mm (3.50 × 1.40 inch)
5-color LED (white, green, pink, orange, red) (not replaceable)	5-color LED (white, green, pink, orange, red) (not replaceable)
Approx. 50000 h	Approx. 50000 h
—	—
—	—
Memory for storage (ROM): 3 MB	Memory for storage (ROM): 3 MB
—	—
●	● (RS-422 only)
●	—
—	—
● 1 channel (rear face)	● 1 channel (rear face)
● ✻4	—
—	—
Front: IP67F ✻9 Inside control panel: IP2X	Front: IP67F ✻9 Inside control panel: IP2X
CE, UL, cUL, KC	CE, UL, cUL, KC
—	—
113 × 74 × 27 mm ✻5 (4.45 × 2.91 × 1.06 inch)	113 × 74 × 27 mm (4.45 × 2.91 × 1.06 inch)
105 × 66 mm (4.13 × 2.60 inch)	105 × 66 mm (4.13 × 2.60 inch)
0.2 kg (0.44 lb)	0.18 kg (0.40 lb)
0 °C to 55 °C (horizontal installation), 0 °C to 50 °C (vertical installation)	0 °C to 55 °C (horizontal installation), 0 °C to 50 °C (vertical installation)
–20 °C to 60 °C	–20 °C to 60 °C
10% RH to 90% RH, non-condensing ✻13	10% RH to 90% RH, non-condensing ✻13
10% RH to 90% RH, non-condensing ✻13	10% RH to 90% RH, non-condensing ✻13
24 V DC (+10%, –15%)	5 V DC (+5%, –5%) Power from the PLC
—	—
●	● (FXCPU only)
●	—
●	—
●	—
●	—







✻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 The operating ambient temperature includes the temperature inside the enclosure of the control panel to which the GOT is installed.

✻11 When any of the following units is mounted, the maximum operating ambient temperature must be 5 °C lower than the one described in the specification list: multimedia unit (GT27-MMR-Z), MELSECNET/H communication unit (GT15-J71LP23-25, GT15-J71BR13), CC-Link communication unit (GT15-J61BT13).

✻12 When any of the following units is mounted, the maximum operating ambient temperature must be 5 °C lower than the one described in the specification list: MELSECNET/H communication unit (GT15-J71LP23-25, GT15-J71BR13), CC-Link communication unit (GT15-J61BT13).

✻13 If the ambient temperature exceeds 40 °C, the absolute humidity must not exceed 90% RH at 40 °C.

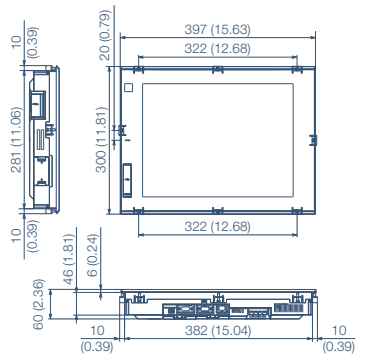
✻14 To conform to ATEX/KCs standard, use GOT model that conforms to the standard with appropriate options (protective sheet and special fittings) that are required separately. For the required options, please refer to page 42 and page 43.

GT27/GT25

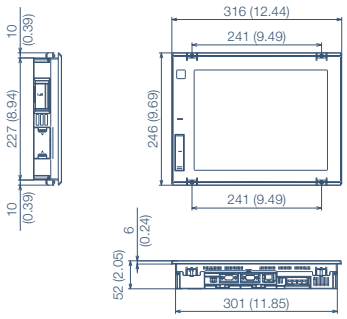
External dimensions

Unit: mm (inch)

GT2715

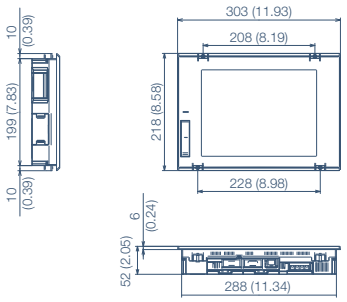


GT2712/GT2512

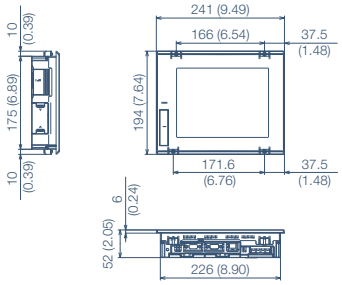


✻ Human sensor is on GT2712 only.

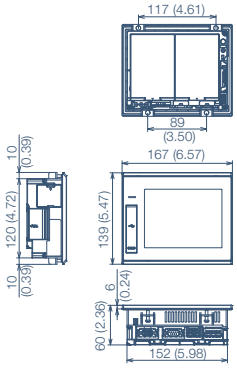
GT2710/GT2510



GT2708/GT2508



GT2705

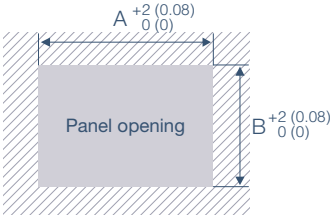


Panel cut dimensions

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	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	153 (6.02)	121 (4.76)	Same dimensions as GT1655, GT155☐, GT145☐, GT115☐, GT105☐, F940GOT.

GT27/GT25



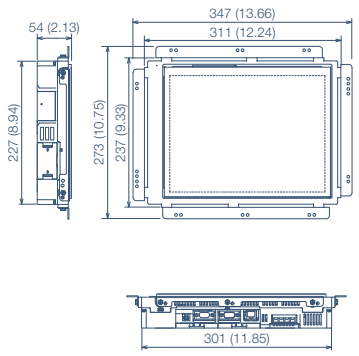
✻ Panel thickness: 1.6 mm to 4 mm (0.06 inch to 0.16 inch)

GT25 (open frame model)

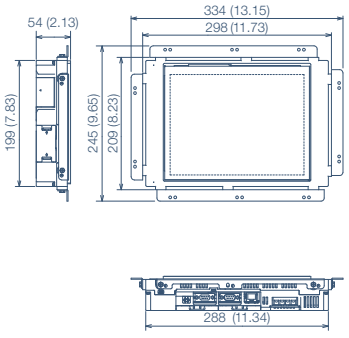
External dimensions

Unit: mm (inch)

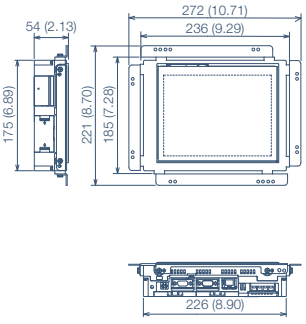
GT2512F



GT2510F



GT2508F



✻ 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))

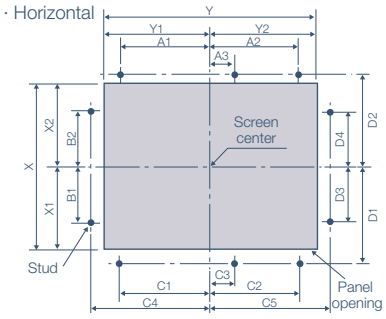
Screen size	Model	Distance between studs ✻				
		A1	A2	A3	B1	B2
12.1"	GT2512F	98(3.86)± 0.15(0.01)	113(4.45)± 0.15(0.01)	7.5(0.30)± 0.15(0.01)	75.5(2.97)± 0.15(0.01)	79.5(3.13)± 0.15(0.01)
10.4"	GT2510F	105.5(4.15)± 0.15(0.01)	105.5(4.15)± 0.15(0.01)	0(0)	58(2.28)± 0.15(0.01)	58(2.28)± 0.15(0.01)
8.4"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

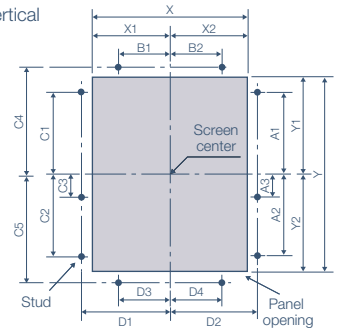
GT25 (open frame model)

· Horizontal



Back of the control panel

· Vertical



Back of the control panel

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

✻ 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.

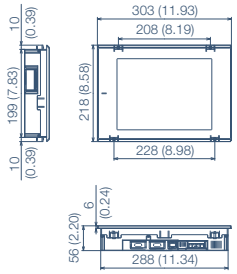
Specifications

GT23

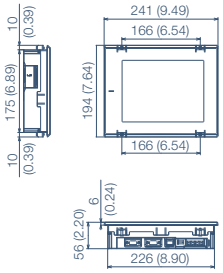
External dimensions

Unit: mm (inch)

GT2310



GT2308

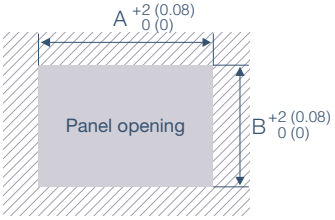


Panel cut dimensions

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.

GT23



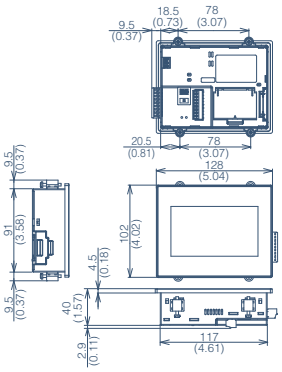
✻ Panel thickness: 1.6 mm to 4 mm (0.06 inch to 0.16 inch)

GT21

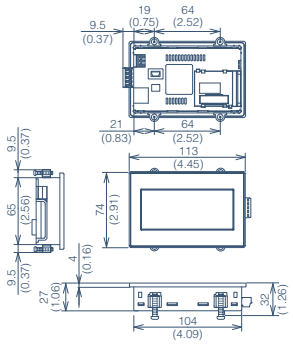
External dimensions

Unit: mm (inch)

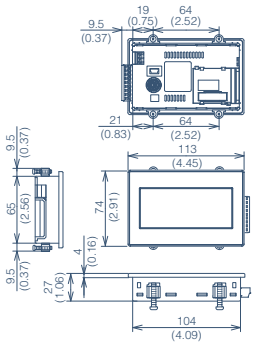
GT2104-RTBD



GT2103-PMBD



GT2103-PMBDS/GT2103-PMBDS2/GT2103-PMBLS

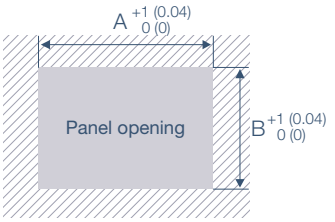


Panel cut dimensions

Unit: mm (inch)

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

GT21

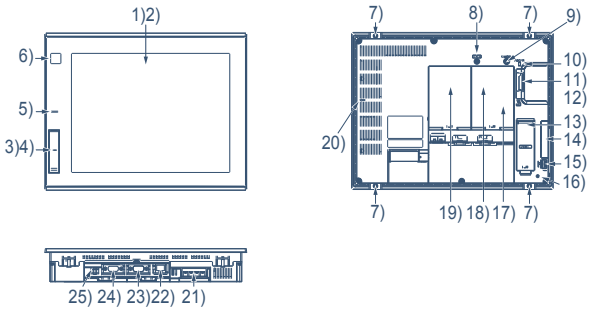


✻ Panel thickness: 1 mm to 4 mm (0.04 inch to 0.16 inch)

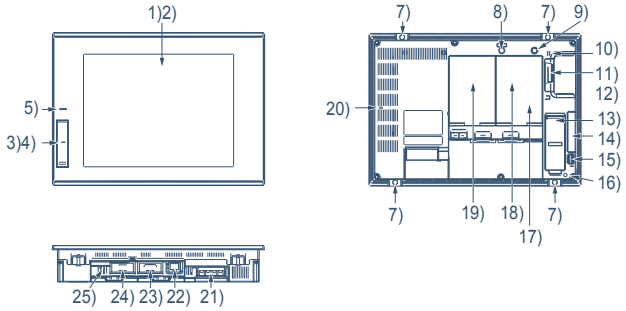
GT27

Components names

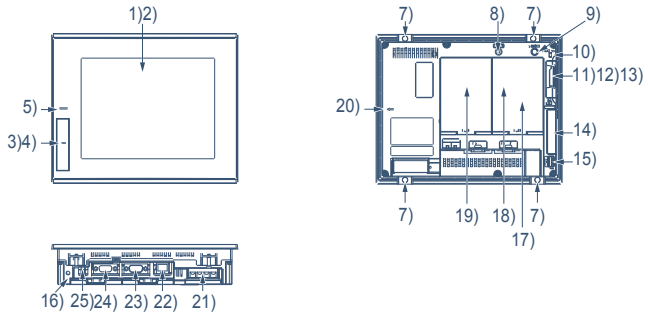
GT2715/GT2712



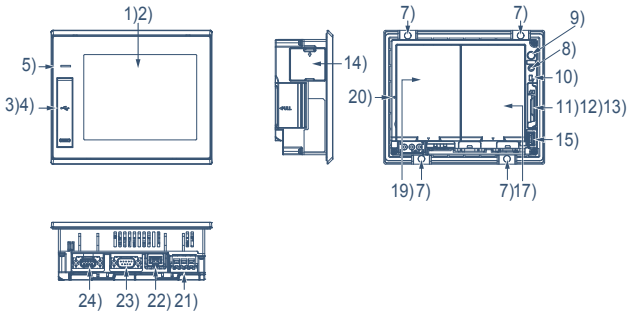
GT2710



GT2708



GT2705

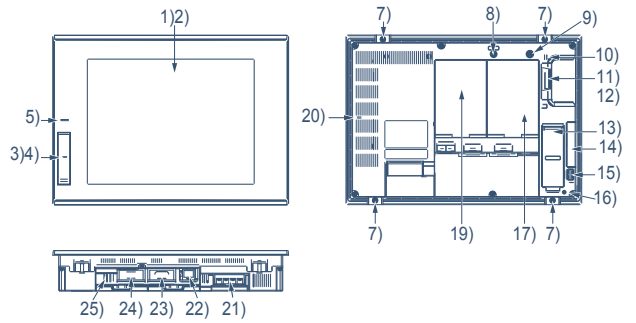


1) Display section
2) Touch panel
3) USB interface (host/front face)
   ∗ Excluding white model
4) USB interface (device/front face)
   ∗ Excluding white model
5) POWER LED
6) Human sensor
   ∗ GT2715, GT2712 only
7) Unit installation fitting
8) Reset switch
9) S.MODE switch
10) SD memory card access LED
11) SD memory card interface (inside the cover)
12) SD memory card cover
13) Battery (inside the cover)
14) Side interface (inside the cover)
15) USB interface (host/rear face)
16) Cable clamp mounting hole
17) Terminating resistor setting switch (inside the cover)
18) Auxiliary extension interface
   ∗ GT27 only (excluding GT2705)
19) Extension interface
20) Vertical installation arrow mark
21) Power terminal
22) Ethernet interface/ Ethernet communication status LED
23) RS-232 interface
24) RS-422/485 interface
25) USB interface (device/rear face)
   ∗ White model only

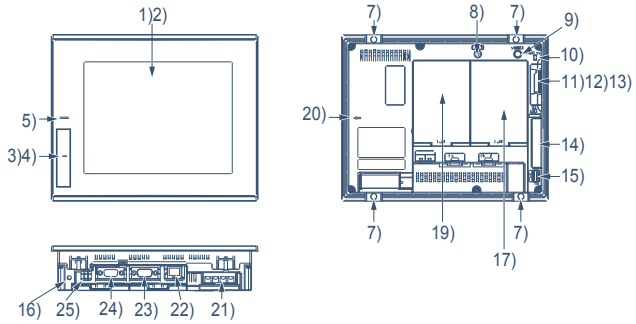
GT25

Components names

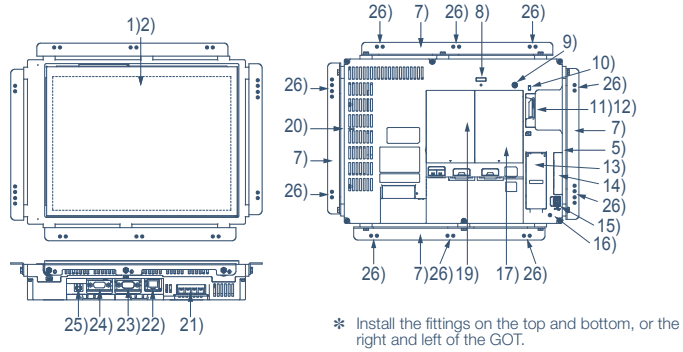
GT2512/GT2510



GT2508

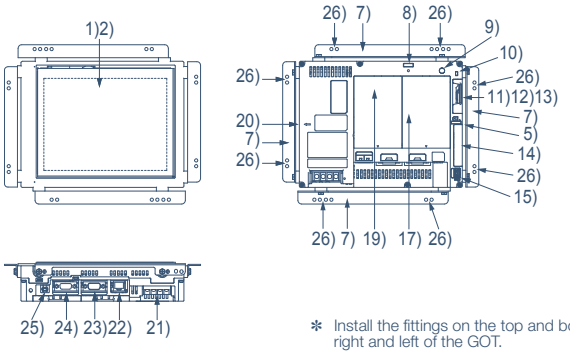


GT2512F/GT2510F



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

GT2508F



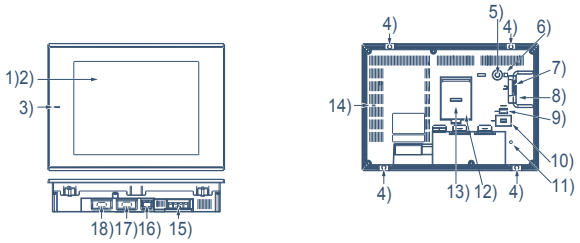
✻ Install the fittings on the top and bottom, or the right and left of the GOT.

1) Display section
2) Touch panel
3) USB interface (host/front face)
   ✻ Excluding white model, open frame model
4) USB interface (device/front face)
   ✻ Excluding white model, open frame model
5) POWER LED
6) Human sensor
   ✻ GT2715, GT2712 only
7) Unit installation fitting
8) Reset switch
9) S.MODE switch
10) SD memory card access LED
11) SD memory card interface (inside the cover)
12) SD memory card cover
13) Battery (inside the cover)
14) Side interface (inside the cover)
15) USB interface (host/rear face)
16) Cable clamp mounting hole
17) Terminating resistor setting switch (inside the cover)
18) Auxiliary extension interface
   ✻ GT27 only (excluding GT2705)
19) Extension interface
20) Vertical installation arrow mark
21) Power terminal
22) Ethernet interface/ Ethernet communication status LED
23) RS-232 interface
24) RS-422/485 interface
25) USB interface (device/rear face)
   ✻ White model, open frame model only
26) Fitting installation hole
   ✻ Open frame model only

GT23

Components names

GT2310/GT2308

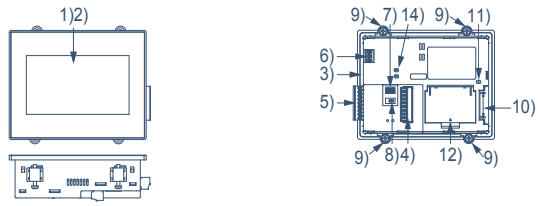


1) Display section
2) Touch panel
3) POWER LED
4) Unit installation fitting
5) S.MODE switch
6) SD memory card access LED
7) SD memory card interface (inside the cover)
8) SD memory card cover
9) USB interface (host)
10) USB interface (device)
11) Cable clamp mounting hole
12) Terminating resistor setting switch (inside the cover)
13) Battery (inside the cover)
14) Vertical installation arrow mark
15) Power terminal
16) Ethernet interface/ Ethernet communication status LED
17) RS-232 interface
18) RS-422/485 interface

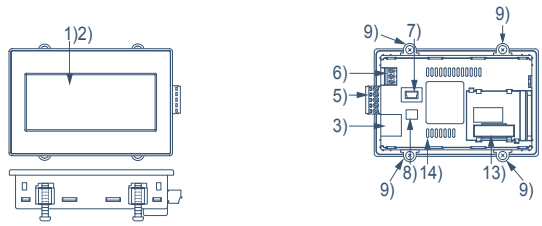
GT21

Components names

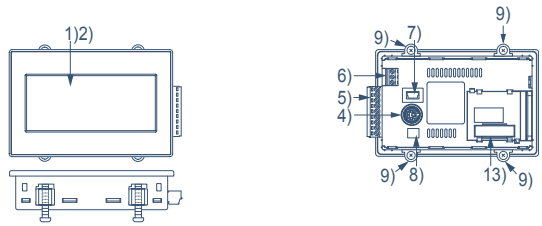
GT2104-RTBD



GT2103-PMBD



GT2103-PMBDS/GT2103-PMBDS2/GT2103-PMBLS



1) Display section
2) Touch panel
3) Ethernet interface
4) RS-232 interface
   * Excluding GT2103-PMBLS
5) RS-422/485 interface
   * RS-232 interface on GT2103-PMBDS2
   * RS-422 interface on GT2103-PMBLS (dedicated to FX connection)
6) Power terminal
   * Excluding GT2103-PMBLS
7) USB interface (device)
8) Terminating resistor setting switch
   * Excluding GT2103-PMBDS2, GT2103-PMBLS
9) Unit installation fitting
10) SD memory card interface (inside the cover)
   * Excluding GT2103
11) SD memory card access LED
12) Battery (inside the cover)
13) SD memory card unit connector (inside the cover)
   * GT2103 only (excluding GT2103-PMBLS)
14) Ethernet communication status LED

Product list

For inquiries relating to the status of GOTs conforming to various standards and laws (CE, ATEX [to be obtained soon], UL/cUL, Class I Division 2, EAC, KC, KCs [to be obtained soon], and maritime certifications [ABS/BV/DNV GL/LR/NK/RINA]), please refer to the specification list (page 26). For the information about the other products and the latest conformity status, please contact your local sales office.

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 V AC to 240 V AC	Multimedia & Video/RGB compatible Multi-touch compatible
		GT2715-XTBD				24 V DC	
	GT2712	GT2712-STBA	12.1" SVGA		Black	100 V AC to 240 V AC	
		GT2712-STBD				24 V DC	
		GT2712-STWA			White	100 V AC to 240 V AC	
		GT2712-STWD				24 V DC	
	GT2710	GT2710-STBA	10.4" SVGA		Black	100 V AC to 240 V AC	
		GT2710-STBD				24 V DC	
		GT2710-VTBA	10.4" VGA			100 V AC to 240 V AC	
		GT2710-VTBD				24 V DC	
		GT2710-VTWA			White	100 V AC to 240 V AC	
		GT2710-VTWD				24 V DC	
	GT2708	GT2708-STBA	8.4" SVGA		Black	100 V AC to 240 V AC	
		GT2708-STBD				24 V DC	
		GT2708-VTBA	8.4" VGA			100 V AC 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 V AC to 240 V AC	—
		GT2512-STBD				24 V DC	
		GT2512F-STNA NEW			—	100 V AC to 240 V AC	Open frame model
		GT2512F-STND NEW				24 V DC	
	GT2510	GT2510-VTBA	10.4" VGA		Black	100 V AC to 240 V AC	—
		GT2510-VTBD				24 V DC	
		GT2510-VTWA			White	100 V AC to 240 V AC	
		GT2510-VTWD				24 V DC	
		GT2510F-VTNA NEW			—	100 V AC to 240 V AC	Open frame model
		GT2510F-VTND NEW				24 V DC	
	GT2508	GT2508-VTBA	8.4" VGA		Black	100 V AC to 240 V AC	—
		GT2508-VTBD				24 V DC	
		GT2508-VTWA			White	100 V AC to 240 V AC	
		GT2508-VTWD				24 V DC	
		GT2508F-VTNA NEW			—	100 V AC to 240 V AC	Open frame model
		GT2508F-VTND NEW				24 V DC	
GT23	GT2310	GT2310-VTBA	10.4" VGA	TFT color 65536 colors	Black	100 V AC to 240 V AC	—
		GT2310-VTBD				24 V DC	
	GT2308	GT2308-VTBA	8.4" VGA		Black	100 V AC to 240 V AC	
		GT2308-VTBD				24 V DC	
GT21	GT2104	GT2104-RTBD	4.3" Wide [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)

GOT + CC-Link IE Field Network communication unit sets

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

GOT + CC-Link IE Field Network communication unit sets

Classification		Model	Screen size	Display section Display color	Panel color	Power	Remarks
GT25	GT2512	GT2512-STBA-GF	12.1" SVGA	TFT color 65536 colors	Black	100 V AC to 240 V AC	GOT + GT15-J71GF13-T2
		GT2512-STBD-GF				24 V DC	
	GT2510	GT2510-VTBA-GF	10.4" VGA		Black	100 V AC to 240 V AC	
		GT2510-VTBD-GF				24 V DC	
		GT2510-VTWA-GF			White	100 V AC to 240 V AC	
		GT2510-VTWD-GF				24 V DC	
	GT2508	GT2508-VTBA-GF	8.4" VGA		Black	100 V AC to 240 V AC	
		GT2508-VTBD-GF				24 V DC	
		GT2508-VTWA-GF			White	100 V AC to 240 V AC	
		GT2508-VTWD-GF				24 V DC	

Communication units

Product name	Model	Specifications	Supported model			
			GT27	GT25	GT23	GT21
Serial communication unit	GT15-RS2-9P	RS-232 serial communication unit (D-sub 9-pin male)	●	●	—	—
	GT15-RS4-9S	RS-422/485 serial communication unit (D-sub 9-pin female) ✻1 ✻2	●	●	—	—
	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	●	●	—	—
Q bus connection unit	GT15-QBUS	Q bus connection (1 channel) unit standard model	●	●	—	—
	GT15-QBUS2	Q bus connection (2 channels) unit standard model	●	●	—	—
	GT15-75QBUSL	Q bus connection (1 channel) unit slim model ✻3	●	●	—	—
	GT15-75QBUS2L	Q bus connection (2 channels) unit slim model ✻3	●	●	—	—
MELSECNET/H communication unit	GT15-J71LP23-25	Normal station unit (optical loop)	●	●	—	—
	GT15-J71BR13	Normal station unit (coaxial bus)	●	●	—	—
CC-Link IE Controller Network communication unit	GT15-J71GP23-SX	Normal station unit (optical loop)	●	●	—	—
CC-Link IE Field Network communication unit	GT15-J71GF13-T2	Intelligent device station unit	●	●	—	—
CC-Link communication unit	GT15-J61BT13	Intelligent device station unit CC-Link Ver. 2 compliant	●	●	—	—
Field network adapter unit	GT25-FNADP	Supported network: PROFIBUS DP, DeviceNet ✻4	●	●	—	—
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 ✻8, R&TTE ✻8, SRRC ✻9, KC ✻9	●	●	—	—
Serial multi-drop connection unit	GT01-RS4-M	For GOT multi-drop connection	●	●	●	●

✻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 Korea.

Option units

Product name	Model	Specifications	Supported model			
			GT27	GT25	GT23	GT21
Printer unit	GT15-PRN	USB slave (PictBridge) for printer connection, 1 channel Cable for connection between printer unit and printer (3m) included	●	●	—	—
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) ✻3	●✻1	—	—	—
	GT27-R2-Z	For analog RGB input, 2 channels (display by channel) ✻3	●✻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	—	—	—
	GT27-ROUT-Z	For analog RGB output, 1 channel	●✻1	—	—	—
Sound output unit	GT15-SOUT	For sound output (ϕ3.5 stereo pin jack)	●	●	—	—
External I/O unit	GT15-DIOR	For connecting an external I/O device and an operation panel (negative common input, source type output)	●	●	—	—
	GT15-DIO	For connecting an external I/O device and an operation panel (positive common input, sink type output)	●	●	—	—
SD memory card unit	GT21-03SDCD	For mounting an SD memory card	—	—	—	●✻2

✻1 This unit is not usable for the 5.7 inch model.

✻2 Only available to GT2103. (Excluding GT2103-PMBLS)

✻3 The settings for GT27-R2 and GT27-R2-Z differ in the screen design software.

Product list

Software

Product name	Model	Description		
HMI/GOT Screen Design Software MELSOFT GT Works3	SW1DND-GTWK3-E	English Version	Standard license product	DVD-ROM
	SW1DND-GTWK3-EA		Volume license product ✻1	
	SW1DND-GTWK3-EAZ		Additional license product ✻1 ✻6	
FA Integrated Engineering Software MELSOFT iQ Works ✻2 ✻3	SW2DND-IQWK-E	English Version	Standard license product	DVD-ROM
License key for GT SoftGOT2000 ✻4	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 NEW	1 license		
	GT25-WEBSKEY-5 NEW	5 licenses		
	GT25-WEBSKEY-10 NEW	10 licenses		
	GT25-WEBSKEY-20 NEW	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 (L(NA)08232ENG).

✻3 The product includes the following software.
- · System Management Software [MELSOFT Navigator]
- · Motion Controller Engineering Software [MELSOFT MT Works2]
- · Robot Engineering Software [MELSOFT RT ToolBox2 mini]
- · MITSUBISHI ELECTRIC FA Library
- · 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]

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

✻5 1 license is required for 1 GOT unit.

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

Options

Product name	Model	Specifications		Supported model			
				GT27	GT25	GT23	GT21
Protective sheet ✻1	GT27-15PSGC	For 15"	• Antiglare type • Transparent • With a hole for the USB environmental protection cover • A set of 5 sheets	●	—	—	—
	GT25-12PSGC	For 12.1"		●	●	—	—
	GT25-10PSGC	For 10.4"		●	●	—	—
	GT25-08PSGC	For 8.4"		●	●	—	—
	GT25-05PSGC	For 5.7"		●	—	—	—
	GT27-15PSCC	For 15"	• Clear type • Transparent • With a hole for the USB environmental protection cover • A set of 5 sheets	●	—	—	—
	GT25-12PSCC	For 12.1"		●	●	—	—
	GT25-10PSCC	For 10.4"		●	●	—	—
	GT25-08PSCC	For 8.4"		●	●	—	—
	GT25-05PSCC	For 5.7"		●	—	—	—
	GT25-12PSCC-UC ✻8	For 12.1"	• Clear type • Transparent • Without a hole for the USB environmental protection cover ✻2 • A set of 5 sheets	● ✻8	●	—	—
	GT25-10PSCC-UC ✻8	For 10.4"		● ✻8	● ✻8	●	—
	GT25-08PSCC-UC ✻8	For 8.4"		●	● ✻8	●	—
	GT21-04RPSGC-UC	For 4.3" Wide	• Antiglare type • Transparent • Without a hole for the USB environmental protection cover • A set of 5 sheets	—	—	—	●
	GT21-03PSGC-UC	For 3.8"		—	—	—	●
	GT21-04RPSCC-UC	For 4.3" Wide	• Clear type • Transparent • Without a hole for the USB environmental protection cover • A set of 5 sheets	—	—	—	●
	GT21-03PSCC-UC	For 3.8"		—	—	—	●
Environmental protection sheet	GT25F-12ESGS NEW	For 12.1"	• For conforming to IP67F • Antiglare type • Slivery • 1 sheet	—	● ✻7	—	—
	GT25F-10ESGS NEW	For 10.4"		—	● ✻7	—	—
	GT25F-08ESGS NEW	For 8.4"		—	● ✻7	—	—

Options

Product name		Model	Specifications		Supported model			
					GT27	GT25	GT23	GT21
USB environmental protection cover		GT25-UCOV	For 15"/12.1"/10.4"/8.4"	Environmental protection cover for the USB interface on the GOT front face (for replacement)	●	●	—	—
		GT25-05UCOV	For 5.7"		●	—	—	—
Protective cover for oil ✻3		GT20-15PCO	For 15"		●	—	—	—
		GT20-12PCO	For 12.1"		●	●	—	—
		GT20-10PCO	For 10.4"		●	●	●	—
		GT20-08PCO	For 8.4"		●	●	●	—
		GT25-05PCO	For 5.7"		●	—	—	—
		GT21-04RPCO	For 4.3" Wide		—	—	—	●
		GT10-20PCO	For 3.8"		—	—	—	●
Stand		GT15-90STAND	For 15"		●	—	—	—
		GT15-80STAND	For 12.1"		●	●	—	—
		GT15-70STAND	For 10.4"/8.4"		●	●	●	—
		GT05-50STAND	For 5.7"		●	—	—	—
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 ✻10		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 NEW	For 4.3" Wide	For replacing GT104□	—	—	—	● ✻9
Battery		GT11-50BAT	Battery for backup of SRAM data, clock data, and system status log data ✻6.		● (For replacement)	● (For replacement)	● (Option)	● ✻5 (For replacement)
Special fitting ✻8		GT25-12FIT-EXS Coming soon	For 12.1"	A set of special fittings for conforming to ATEX/KCs standard	● ✻8	—	—	—
		GT25-10FIT-EXS Coming soon	For 10.4"	A set of special fittings for conforming to ATEX/KCs standard	● ✻8	● ✻8	—	—

✻1 The white model does not have the front USB interface. It is recommended to use the products that the USB environmental protection cover area is closed.
✻2 When using the product with the USB environmental protection cover area closed, the front USB interface cannot be used.
✻3 Check if the protective cover for oil can be used in the actual environment before use. When using the cover, the front USB interface and human sensor cannot be used.
✻4 Including the GP250□ and GP260□ manufactured by Digital Electronics Corporation.
✻5 GT2103 does not have a built-in battery.
✻6 GT21 does not support the system status log data backup function.
✻7 GT2512F, GT2510F, GT2508F only.
✻8 To conform to ATEX/KCs standard, use GOT model that conforms to the standard with an appropriate option. For the supported models, please contact your local sales office.
✻9 GT2104-RTBD only.
✻10 The attachment can be used when the mounting panel thickness is 2 to 3 mm. After replacement using the attachment, the replaced GOT does not comply with IP67F.

Manuals

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

Warranty

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

Gratis Warranty Term and Gratis Warranty Range

If any faults or defects (hereinafter "Failure") found to be the responsibility of Mitsubishi occurs during use of the product within the gratis warranty term, the product shall be repaired at no cost via the sales representative or Mitsubishi Service Company.
However, if repairs are required onsite at domestic or overseas location, expenses to send an engineer will be solely at the customer's discretion. Mitsubishi shall not be held responsible for any re-commissioning, maintenance, or testing on-site that involves replacement of the failed module.

■Gratis Warranty Term

The gratis warranty term of the product shall be for thirty-six (36) months after the date of purchase or delivery to a designated place.
Note that after manufacture and shipment from Mitsubishi, the maximum distribution period shall be six (6) months, and the longest gratis warranty term after manufacturing shall be forty-two (42) months. The gratis warranty term of repair parts shall not exceed the gratis warranty term before repairs.

■Gratis Warranty Range

(1) The customer shall be responsible for the primary failure diagnosis unless otherwise specified.
If requested by the customer, Mitsubishi Electric Corporation or its representative firm may carry out the primary failure diagnosis at the customer's expense.
The primary failure diagnosis will, however, be free of charge should the cause of failure be attributable to Mitsubishi Electric Corporation.
(2) The range shall be limited to normal use within the usage state, usage methods, usage environment, etc. which follow the conditions, precautions, etc. given in the instruction manual, user's manual, caution labels on the product, etc.
(3) Even within the gratis warranty term, repairs shall be charged for in the following cases.
①Failure occurring from inappropriate storage or handling, carelessness or negligence by the user. Failure caused by the user's hardware or software design.
②Failure caused by unapproved modifications, etc., to the product by the user.
③When the Mitsubishi product is assembled into a user's device, Failure that could have been avoided if functions or structures, judged as necessary in the legal safety measures the user's device is subject to or as necessary by industry standards, had been provided.
④Failure that could have been avoided if consumable parts designated in the user's manual etc. had been correctly serviced or replaced.
⑤Replacement of consumable parts (battery, display device, touch panel, fuse, etc.).
⑥Failure caused by external irresistible forces such as fires or abnormal voltages, and Failure caused by force majeure such as earthquakes, lightning, wind and water damage.
⑦Failure caused by reasons unpredictable by scientific technology standards at time of shipment from Mitsubishi.
⑧Any other failure found not to be the responsibility of Mitsubishi or that admitted not to be so by the user.

Onerous repair term after discontinuation of production

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

Overseas service

Overseas, repairs shall be accepted by Mitsubishi's local overseas FA Center. Note that the repair conditions at each FA Center may differ.

Exclusion of loss in opportunity and secondary loss from warranty liability

Regardless of the gratis warranty term, Mitsubishi shall not be liable for compensation to:
(1) Damages caused by any cause found not to be the responsibility of Mitsubishi.
(2) Loss in opportunity, lost profits incurred to the user by Failures of Mitsubishi products.
(3) Special damages and secondary damages whether foreseeable or not, compensation for accidents, and compensation for damages to products other than Mitsubishi products.
(4) Replacement by the user, maintenance of on-site equipment, start-up test run and other tasks.

Changes in product specifications

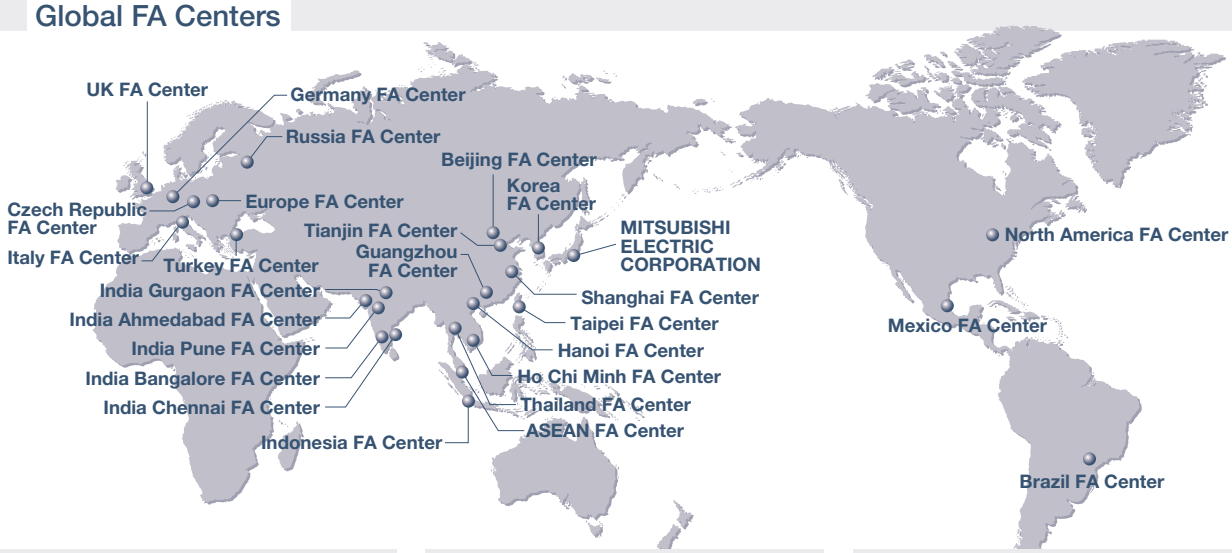
The specifications given in the catalogs, manuals or technical documents are subject to change without prior notice.

Product application

(1) In using the Mitsubishi graphic operation terminal, the usage conditions shall be that the application will not lead to a major accident even if any problem or fault should occur in the graphic operation terminal device, and that backup and fail-safe functions are systematically provided outside of the device for any problem or fault.
(2) The Mitsubishi graphic operation terminal has been designed and manufactured for applications in general industries, etc.
Thus, applications in which the public could be affected such as in nuclear power plants and other power plants operated by respective power companies, and applications in which a special quality assurance system is required, such as for Railway companies or Public service purposes shall be excluded from the graphic operation terminal applications.
In addition, applications in which human life or property that could be greatly affected, such as in aircraft, medical applications, incineration and fuel devices, manned transportation equipment for recreation and amusement, and safety devices, shall also be excluded from the graphic operation terminal range of applications.
However, in certain cases, some applications may be possible, providing the user consults the local Mitsubishi representative outlining the special requirements of the project, and providing that all parties concerned agree to the special circumstances, solely at our discretion.
In some of these cases, however, Mitsubishi Electric Corporation may consider the possibility of an application, provided that the customer notifies Mitsubishi Electric Corporation of the intention, the application is clearly defined and any special quality is not required.

Global support

Global FA Centers



China Mainland

Shanghai FA Center

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Indonesia FA Center

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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 standards, LVD standards	Europe
Ex	ATEX standards [to be obtained soon]	Europe
UL	Safety standards	United States
	Class I, Division 2	
cUL	Safety standards	Canada
	Class I, Division 2	
EAC	EMC standards, LVD standards	Eurasian Economic Union (Russia, Belarus, Kazakhstan, etc.)
KC	EMC standards	Korea
KCs	Safety standards [to be obtained soon]	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

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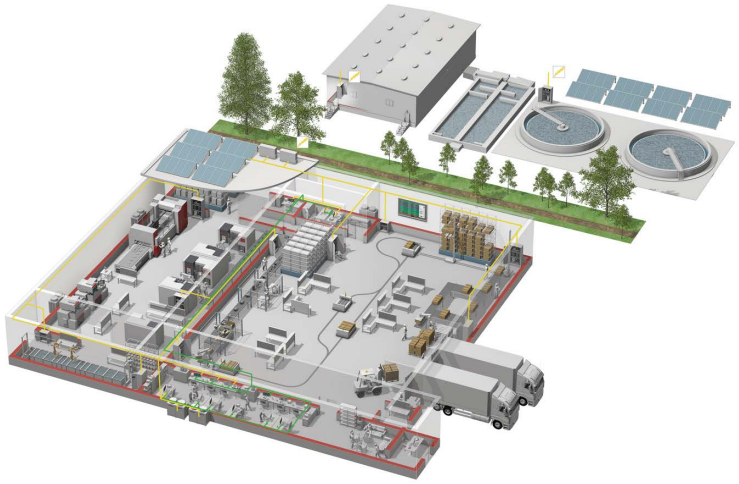
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Mitsubishi Electric offers a wide range of automation equipment from PLCs and HMIs to CNC and EDM machines.

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Since its beginnings in 1870, some 45 companies use the Mitsubishi name, covering a spectrum of finance, commerce and industry.

The Mitsubishi brand name is recognized around the world as a symbol of premium quality.

Mitsubishi Electric Corporation is active in space development, transportation, semi-conductors, energy systems, communications and information processing, audio visual equipment and home electronics, building and energy management and automation systems, and has 237 factories and laboratories worldwide in over 121 countries.

This is why you can rely on Mitsubishi Electric automation solution - because we know first hand about the need for reliable, efficient, easy-to-use automation and control in our own factories.

As one of the world's leading companies with a global turnover of over 4 trillion Yen (over $40 billion), employing over 100,000 people, Mitsubishi Electric has the resource and the commitment to deliver the ultimate in service and support as well as the best products.



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.

Global Partner. Local Friend.

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