



for a greener tomorrow



FACTORY AUTOMATION



# Graphic Operation Terminal GOT2000 Series

Concise



## GOT2000

Graphic Operation Terminal

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

# GLOBAL IMPACT OF MITSUBISHI ELECTRIC



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

## *Changes for the Better*

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

Mitsubishi Electric is involved in many areas including the following

### **Energy and Electric Systems**

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

### **Electronic Devices**

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

### **Home Appliance**

Dependable consumer products like air conditioners and home entertainment systems.

### **Information and Communication Systems**

Commercial and consumer-centric equipment, products and systems.

### **Industrial Automation Systems**

Maximizing productivity and efficiency with cutting-edge automation technology.

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# Lineup and Features



Advanced model fully equipped with useful functions

## GT27



- Multi-touch gesture functions and video-related functions are available only on GT27 model
- Support various remote monitoring features such as the GOT Mobile function and the VNC server function
- GOT Drive functions are fully supported
- The MES interface function enables interaction with databases

Item	Specifications
Display	5.7"/8.4"/10.4"/12.1"/15", TFT color LCD, 65536 colors
Resolution	XGA, SVGA, VGA
User memory	Memory for storage (ROM): 57 MB (GT2705 has 32 MB) Memory for operation (RAM): 128 MB (GT2705 has 80 MB)

High performance, cost efficient, mid-range model

## GT25



- Support various remote monitoring features such as the GOT Mobile function and the VNC server function
- GOT Drive functions are fully supported
- The MES interface function enables interaction with databases

Item	Specifications
Display	5.7"/8.4"/10.4"/12.1", TFT color LCD, 65536 colors
Resolution	SVGA, VGA
User memory	Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB

**NEW**

GOT2000 widescreen expands your view

## GT25 wide model



- Widescreen displays large amounts of information
- Stylish model with narrow bezel

Item	Specifications
Display	7" widescreen/10.1" widescreen, TFT color LCD, 65536 colors
Resolution	7": WVGA, 10.1": WXGA
User memory	Memory for storage (ROM): 32 MB Memory for operation (RAM): 128 MB

**NEW**

Designed for extreme environments

## GT25 rugged model



- Wide operating temperature range. High brightness, clear under daylight.
- Vibration and shock resistant with a metal housing. Compliant with IP67F and IP66F.

Item	Specifications
Display	7" widescreen, TFT color LCD, 65536 colors
Resolution	WVGA
User memory	Memory for storage (ROM): 32 MB Memory for operation (RAM): 128 MB



Concept movie

Lineup



Just right for various applications

### GT25 open frame model



- Installing from the back side of the control panel complements the machine-design surface
- Stainless-look environmental protection sheet allows the touch panel to blend into various production machines

Item	Specifications
Display	8.4"/10.4"/12.1", TFT color LCD, 65536 colors
Resolution	SVGA, VGA
User memory	Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB

**NEW**

HMI functionality in the palm of your hand

### GT25 handy GOT



- Compact, lightweight, easy to handle
- Operate the GT25 Handy GOT standing near the device

Item	Specifications
Display	5.7"/6.5", TFT color LCD, 65536 colors
Resolution	VGA
User memory	Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB

Unchallenged cost performance

### GT23



- Sufficient interfaces and functions for interaction with various industrial devices
- Support system launcher to check system configurations of programmable controllers

Item	Specifications
Display	8.4"/10.4", TFT color LCD, 65536 colors
Resolution	VGA
User memory	Memory for storage (ROM): 9 MB Memory for operation (RAM): 9 MB

**NEW**

Suitable for a wide range of applications

### GT21 wide model



- Remote monitoring with the VNC server function is available on GT21 wide model
- USB interface (host) for connection with USB memory devices

Item	Specifications
Display	7" widescreen, TFT color LCD, 65536 colors
Resolution	WVGA
User memory	Memory for storage (ROM): 15 MB

Compact models with basic functions

### GT21



- Featured with standard functions
- Suitable for use with FXCPU

Item	Specifications	
	4.3"	3.8"
Display	TFT color LCD, 65536 colors	TFT monochrome LCD (black/white), 32 shade grayscale
Resolution	480 × 272 dots	320 × 128 dots
User memory	Memory for storage (ROM)	
	9 MB	3 MB

# GT27

Advanced model with multi-touch gesture functions



### A wide variety of specifications suit every system design

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

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

\* White model has 1 channel.

### With Backup/Restoration function, fear troubles no more!

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

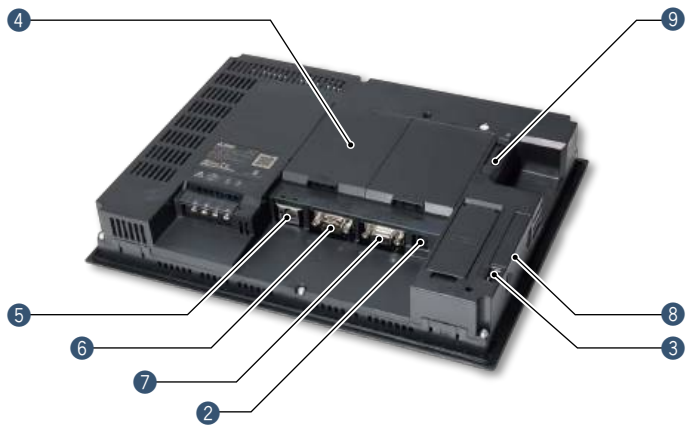


■ GT27 model external appearance [Standard model: front face/rear face]



- 1 Human sensor**  
The unit automatically detects an operator approaching the unit and displays the screen.  
\* GT2715, GT2712 only
- 2 USB interface: device (USB Mini-B)**  
Connect to a personal computer and transfer data.  
\* Standard models: front face only  
\* White models: rear face only
- 3 USB interface: host (USB-A)\*1**  
Transfer project data or read the data (logging data, etc.) to or from the GOT using the USB memory.  
A USB mouse, keyboard, barcode reader\*2, or RFID reader\*2 can also be connected.  
\*1 White models: rear face only  
\*2 USB keyboard (HID) compatible model only

- 4 Extension interface**  
Communication and option units can be installed.
- 5 Ethernet interface**  
Use Ethernet to simultaneously connect to up to four types of industrial devices from different manufacturers. CC-Link IE Field Network Basic compatible devices can also be connected.
- 6 RS-232 interface**  
Connect to various industrial devices, barcode readers and serial printers.
- 7 RS-422/485 interface**  
Connect to various industrial devices and barcode readers.



- 8 Side interface**  
Mount a wireless LAN communication unit.
- 9 SD memory card interface**  
Save large volumes of data, including alarms and logging data.

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



- 1 Human sensor**  
The unit automatically detects an operator approaching the unit and displays the screen.  
\* GT2712 only
- 2 Flat body**  
The front flat screen is easy to clean. (USB interface is on the back.)
- 3 White body**  
The white model portrays a clean image.

**White model features**

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

\* Supported standards vary depending on the model. For the details, please refer to page 44.



# GT25

High performance, cost efficient, mid-range model



### A wide variety of specifications suit every system design

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

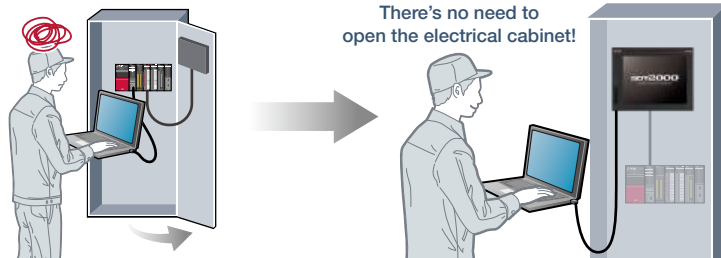
Item	Specifications
Display	5.7" <b>NEW</b> /8.4"/10.4"/12.1", TFT color LCD, 65536 colors
Resolution	SVGA, VGA
Backlight	White LED
User memory	Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB
Standard interface	Ethernet, RS-232, RS-422/485 USB host (USB-A) 2 channels*1 (USB 2.0 (High-Speed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

\*1 GT2505 and white model have 1 channel.

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

### FA Transparent function simplify your debugging work!

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



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



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

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

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

\*1 GT2505, white models: rear face only  
\*2 USB keyboard (HID) compatible model only

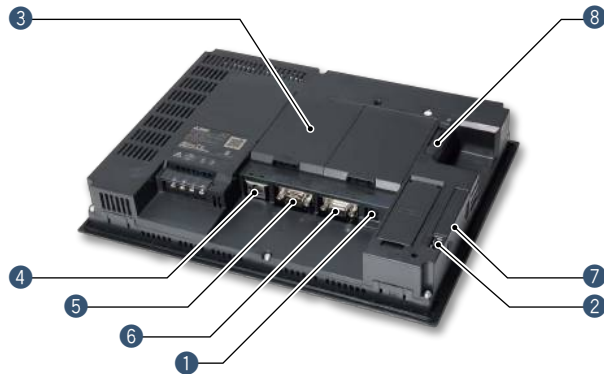
**3 Extension interface**  
Communication and option units can be installed.

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

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

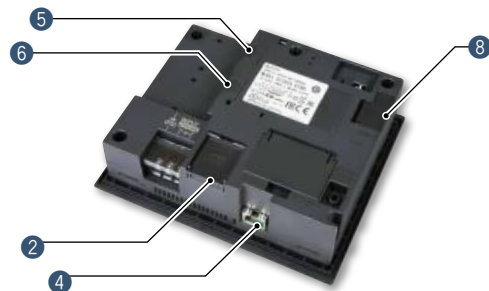
**6 RS-422/485 interface**  
Connect to various industrial devices and barcode readers.

**7 Side interface**  
Mount a wireless LAN communication unit.



**8 SD memory card interface**  
Save large volumes of data, including alarms and logging data.

■ **GT2505 external appearance [front face/rear face]** **NEW**



■ **GT25 white model external appearance [front face]**



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

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

**11 White body**  
The white model portrays a clean image.

**White model features**

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

\* Supported standards vary depending on the model. For the details, please refer to page 47.

NEW

# GT25 wide model

GOT2000 widescreen expands your view

For details

Concept movie



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

### Various interfaces are equipped in a compact body

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

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

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

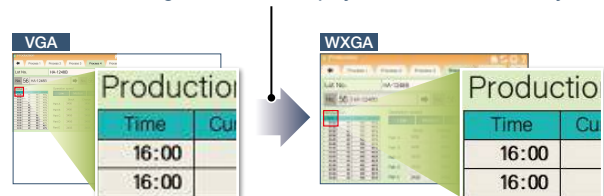
Item	Specifications
Display	7" widescreen/10.1" widescreen, TFT color LCD, 65536 colors
Resolution	7": WVGA, 10.1": WXGA
Backlight	White LED
User memory	Memory for storage (ROM): 32 MB Memory for operation (RAM): 128 MB
Standard interface	Ethernet (2 ports), RS-232, RS-422/485 USB host (USB-A) 1 channel (USB 2.0 (High-Speed 480 Mbps)) USB device (USB Mini-B) 1 channel (USB 2.0 (High-Speed 480 Mbps)) Sound output interface (φ3.5 minijack), SD memory card interface
Extension interface	—
Wireless LAN communication unit interface	For installing a wireless LAN communication unit

### Ultra high resolution display improves expressiveness

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

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

About 3.3 times higher resolution displays small characters clearly

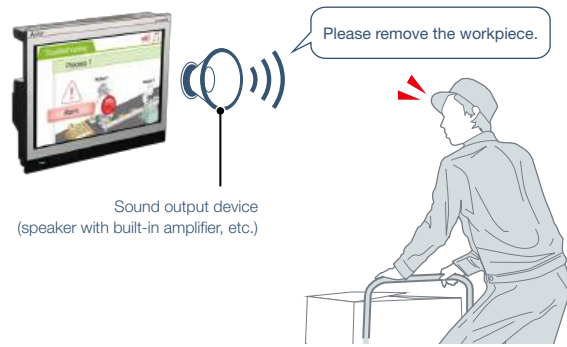


\* 10.1 inch model



**Add value to your system with sound notification**

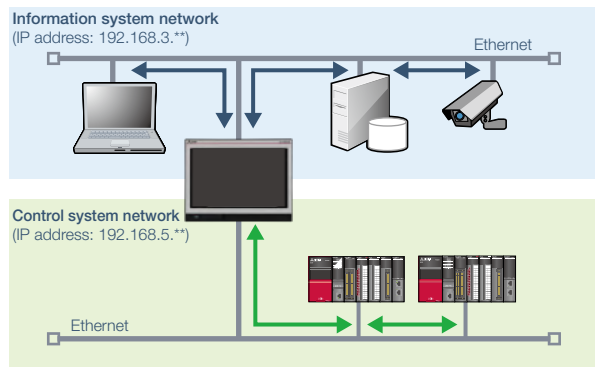
The built-in sound output interface makes it easy to implement the sound notification system (page 36). Not only by displaying the contents of events on the screen but also by notifying with sound, you can convey the necessary information to the operators.



Sound output device (speaker with built-in amplifier, etc.)

**Enable separation of information and control system networks**

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



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



1

**1 USB interface: device (USB Mini-B)**

Connect to a personal computer and transfer data.

**2 USB interface: host (USB-A)**

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

\* USB keyboard (HID) compatible model only

**3 Ethernet interface (2 ports)**

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

**4 RS-422/485 interface**

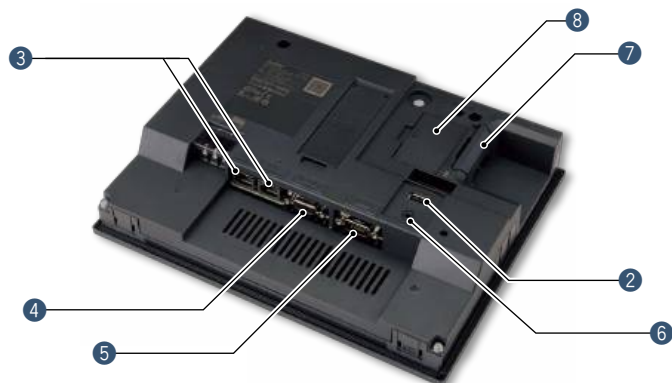
Connect to various industrial devices and barcode readers.

**5 RS-232 interface**

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

**6 Sound output interface (φ3.5 minijack)**

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



**7 SD memory card interface**

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

**8 Wireless LAN communication unit interface**

Mount a wireless LAN communication unit.

NEW

For details



# GT25 rugged model

Wide operating temperature range model with a stylish metal housing



For the details of the GT25 rugged model, please refer to the Graphic Operation Terminal GOT2000 Series Rugged Model catalog (L(NA)08555ENG).

### Suitable for use outdoors or in not air-conditioned rooms

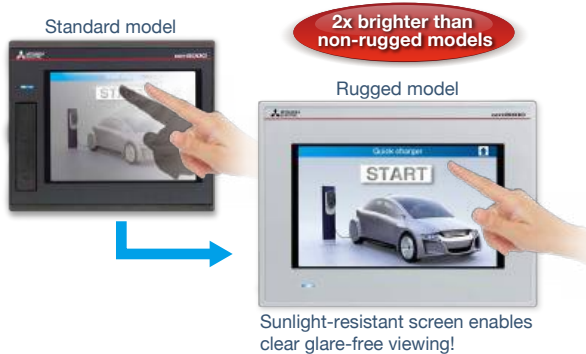
The working ambient temperature has been expanded to -20°C to 65°C. The high-brightness LCD panel (2 times brighter than non-rugged models) provides a clear screen view when installed outdoors. The rugged model is ultraviolet ray resistant with an environmental protection sheet that has UV protection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

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

### High brightness, clear under daylight

The high-brightness LCD panel (1000 cd/m<sup>2</sup>\*) provides a clear screen view even under strong sunlight.

\* Brightness of independent panel.



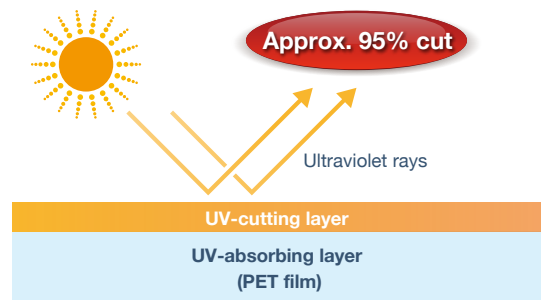
Item	Specifications
Display	7" widescreen, TFT color LCD, 65536 colors
Resolution	WVGA
Backlight	White LED
Panel material	Aluminum
User memory	Memory for storage (ROM): 32 MB Memory for operation (RAM): 128 MB
Standard interface	Ethernet (2 ports), RS-232, RS-422/485 USB host (USB-A): 1 channel (USB 2.0 (High-Speed 480 Mbps)) USB device (USB Mini-B): 1 channel (USB 2.0 (High-Speed 480 Mbps)) Sound output interface (Φ3.5 minijack), SD memory card interface
Extension interface	—
Wireless LAN communication unit interface	For installing a wireless LAN communication unit

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

**Point!**

**UV resistant**

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



**Vibration and shock resistant**

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



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



**1 GOT front face**

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

**2 Ethernet interface (2 ports)**

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

**3 RS-422/485 interface**

Connect to various industrial devices and barcode readers.

**4 RS-232 interface**

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

**5 Sound output interface (φ3.5 minijack)**

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

**6 USB interface: host (USB-A)**

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

\* USB keyboard (HID) compatible model only

**7 USB interface: device (USB Mini-B)**

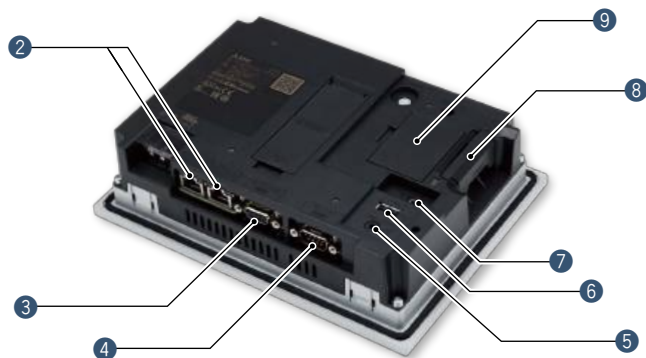
Connect to a personal computer and transfer data.

**8 SD memory card interface**

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

**9 Wireless LAN communication unit interface**

Mount a wireless LAN communication unit.







# GT25 open frame model

A new style of GOT2000



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

### GOT complements machine design

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

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

### IP67F protection

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

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



### Suitable for pharmaceutical and food industries

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



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



1 Touch panel

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

2 Unit installation fitting

Fittings to install GOT to a panel are included.

3 Extension interface

Communication and option units can be installed.

4 Ethernet interface

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

5 RS-232 interface

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

6 RS-422/485 interface

Connect to various industrial devices and barcode readers.

7 Side interface

Mount a wireless LAN communication unit.

8 SD memory card interface

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

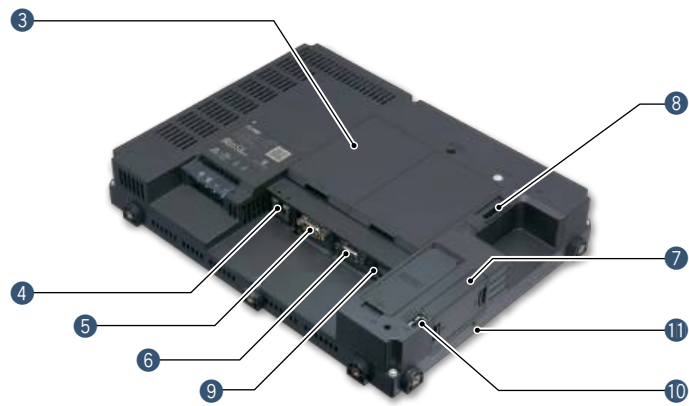
9 USB interface: device (USB Mini-B)

Connect to a personal computer and transfer data.

10 USB interface: host (USB-A)

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

\* USB keyboard (HID) compatible model only



11 POWER LED

Check the power supply status.

■ Easy installation

Adjustable to various panels

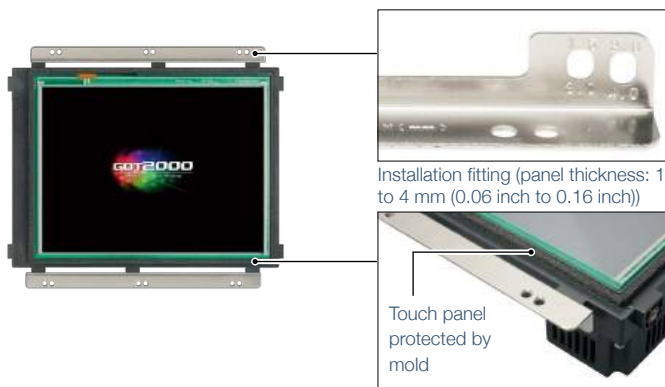
The installation fitting is adjustable from 1.5 mm to 4 mm of the control panel thickness. GOT can adjust the difference of the control panel thickness. Vertical installation is also available.

Designed for safe installation

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

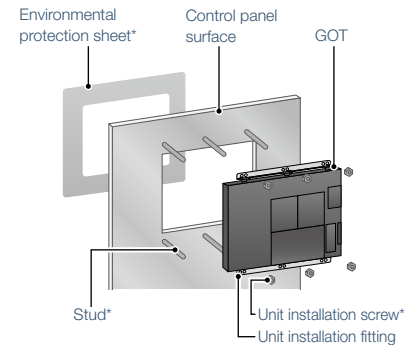
Dedicated installation fittings

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



Designed for safe installation

Installation instructions



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

NEW

# GT25 handy GOT

HMI functionality in the palm of your hand

For details



For the details of GT25 handy GOT, please refer to the Graphic Operation Terminal GOT2000 Series Handy GOT catalog (L(NA)08506ENG).

## GOT2000 Series handy GOT

With portable handy GOT, you can operate the machine while viewing it.

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

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

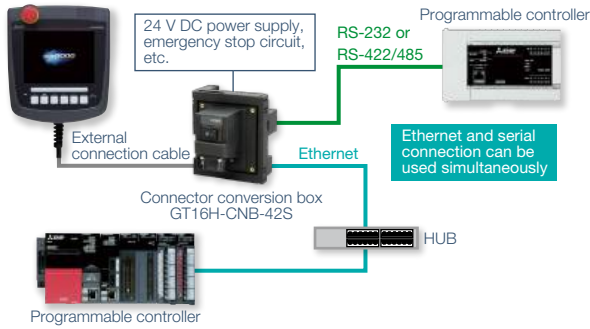
\*2 When using GT2505HS, select one channel from Ethernet, RS-232, or RS-422. RS-485 cannot be used.

## Example of connecting GT25 handy GOT and industrial devices

### GT2506HS-VTBD

#### Ethernet connection

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



#### Serial connection

### Connector conversion box

ID number recognition function supported

#### GT16H-CNB-42S

Required to connect the GT2505 Handy GOT by Ethernet connection.  
Required to connect the GT2506 Handy GOT by serial or Ethernet connection.

#### GT16H-CNB-37S

Required to connect the GT2505 Handy GOT or GT2506 Handy GOT by Ethernet connection.

#### GT11H-CNB-37S

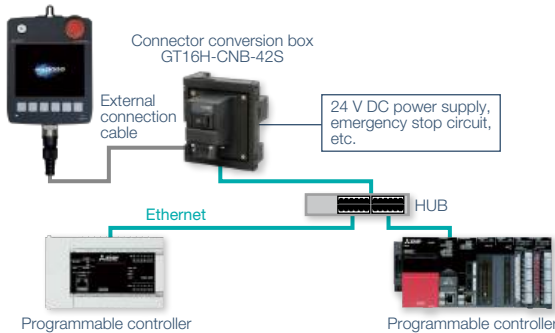
Required to connect the GT2505 Handy GOT by serial connection.



### GT2505HS-VTBD

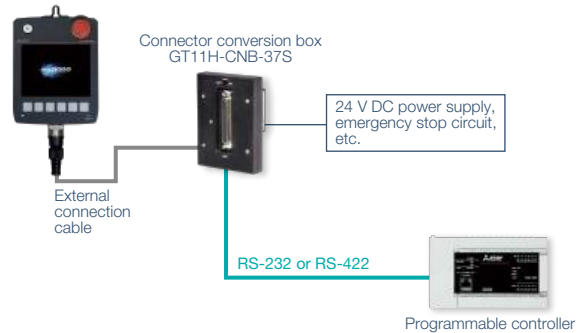
#### Ethernet connection

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



#### Serial connection

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





■ **GT2506HS external appearance [front face/rear face]**



- 1 **Emergency stop switch**  
An emergency stop switch is used to stop the operation of devices in an emergency. It utilizes a “normally closed contact” for safety.
- 2 **LED operation switches (GT2506HS)/ Operation switches (GT2505HS)**  
The switches can be used to operate and stop machines. Hard switches on the operation panel are not necessary.
- 3 **SD memory card interface**  
Save large volumes of data, including alarms and logging data.
- 4 **USB interface: device (USB Mini-B)**  
Connect to a personal computer and transfer data.

■ **GT2505HS external appearance [front face/rear face]**



- 5 **USB interface: host (USB-A)**  
Transfer project data or read the data (logging data, etc.) to or from the GOT using the USB memory. A USB mouse, keyboard, barcode reader\*, or RFID reader\* can also be connected.  
\* USB keyboard (HID) compatible model only
- 6 **Keylock switch (2-position switch)**  
Operators can be restricted depending on the operation, such as switching manual/automatic operation or selecting the modes. Once the key is pulled out, others cannot operate it. The switch is used with wiring to the input of programmable controllers.
- 7 **Grip switch**  
The three-position (OFF-ON-OFF) type deadman switch is adopted as an interlock for preventing operation mistakes and prohibiting operation of a machine. The switch can directly control external equipment to give immediate stop commands to a machine.

**GT2505HS**

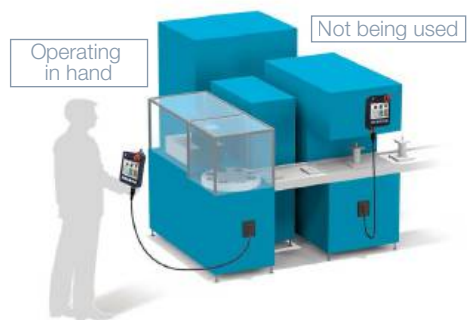
**Wall-mounting attachment for Handy GOT GT14H-50ATT**



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



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



# GT23

Unchallenged cost performance



### A wide variety of specifications suit every system design

Communication interfaces such as Ethernet, RS-232, RS-422/485, USB host/device and SD memory card are standard features.

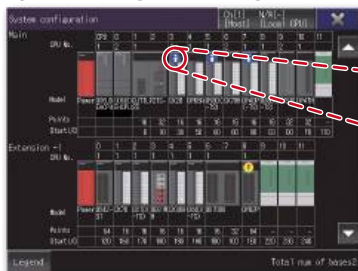
Advanced interactive features such as data logging, multi-channel communication, and FA transparent function are supported.

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

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

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

System configuration diagram



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

Extended functions menu

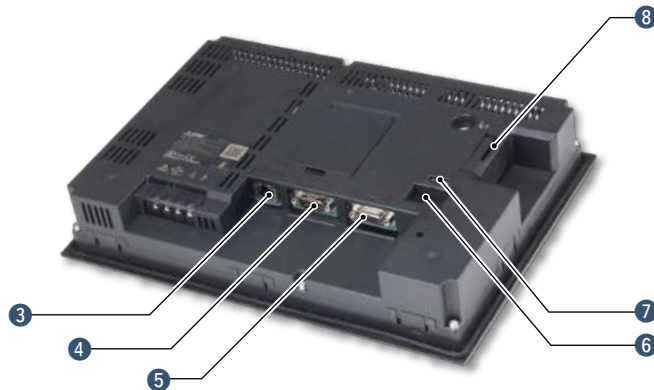


■ GT23 model external appearance [Standard model: front face/rear face]



- 1 **Simple design**  
The simple design with a linear motif is sleek and complements any machine design.
- 2 **Flat body**  
The front flat screen is easy to clean. (USB interface is on the back.)

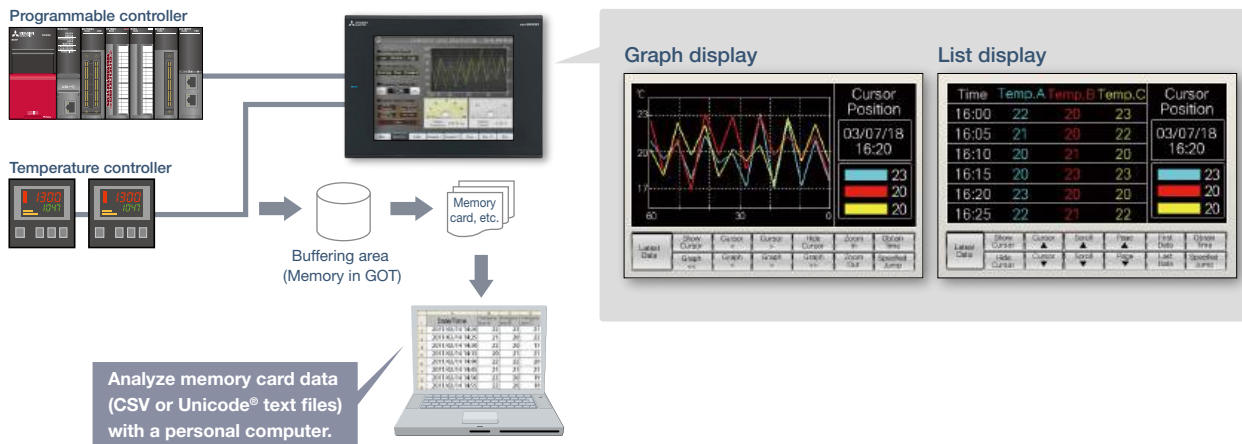
- 3 **Ethernet interface**  
Use Ethernet to simultaneously connect to up to two types of industrial devices from different manufacturers. CC-Link IE Field Network Basic compatible devices can also be connected.
- 4 **RS-232 interface**  
Connect to various industrial devices, barcode readers and serial printers.
- 5 **RS-422/485 interface**  
Connect to various industrial devices and barcode readers.
- 6 **USB interface: device (USB Mini-B)**  
Connect to a personal computer and transfer data.



- 7 **USB interface: host (USB-A)**  
Transfer project data or read the data (logging data, etc.) to or from the GOT using the USB memory. A USB mouse, keyboard, barcode reader\*, or RFID reader\* can also be connected.  
\* USB keyboard (HID) compatible model only
- 8 **SD memory card interface**  
Save large volumes of data, including alarms and logging data.

**Easily collect log data and display it in graphs and lists**

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



NEW

# GT21 wide model

Expands possibilities of GT21 models

For details

Concept movie



2

Hardware



Smart silver



Cool black



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

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

The GOT2000 wide models are available in a choice of silver and black. In addition to the high resolution display, 65536 colors of LCD improves quality of screen display.

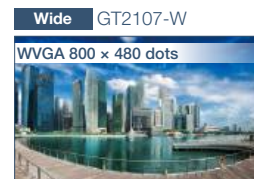
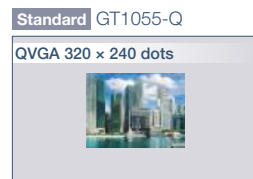
The first GT21 model with the USB host enables you to connect a USB mouse and keyboard, or transfer data using a USB memory.

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

### Widescreen displays large amounts of information

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

5 times higher resolution greatly increases expressiveness





### Remote monitoring provides wide access to application

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

\* GT2107-W only among GT21 models.



### Enhanced graphics

Outline fonts can now be used on GT21 model.

Antialiasing smooths out jagged text edges and displays clear characters, offering improved visibility of screen display.

\* GT2107-W only among GT21 models.

Standard 16dot HQ Gothic

Happy

Wide Outline Gothic (antialiasing enabled)

Happy

Clear characters improves visibility

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



### 1 USB interface: device (USB Mini-B)

Connect to a personal computer and transfer data.

### 2 USB interface: host (USB-A)

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

\* USB keyboard (HID) compatible model only

### 3 Ethernet interface

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

### 4 RS-422/485 interface

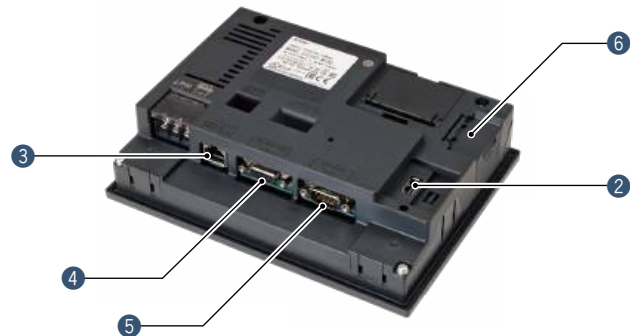
Connect to various industrial devices and barcode readers.

### 5 RS-232 interface

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

### 6 SD memory card interface

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



# GT21

## ■ GT2104-R

Compact model with exciting possibilities



### Widescreen type compact model!

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

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

### Wide screen display fits a lot of data!

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

**GT1045-QSBD**

**4.7 inch** Screen size: 4.7 inch  
Resolution: 320 × 240  
Display color: 256 colors

▶

Resolution  
1.5 times wider  
in horizontal  
direction

**GT2104-RTBD**

**4.3 inch** Screen size: 4.3 inch  
Resolution: 480 × 272  
Display color: 65536 colors

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



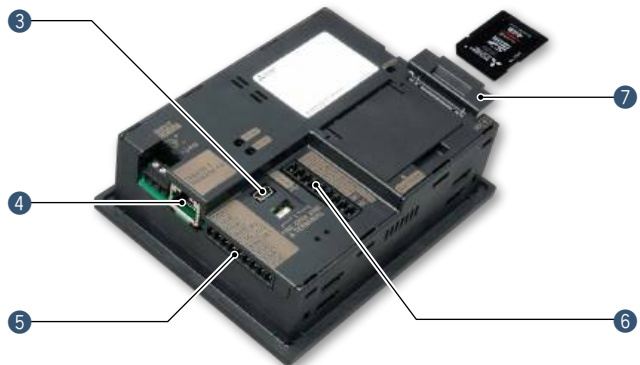
- 1 Simple design**  
The simple design with a linear motif is sleek and complements any machine design.
- 2 Flat body**  
The front flat screen is easy to clean. (USB interface is on the back.)

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

**4 Ethernet interface**  
Connect to up to two types of industrial devices from different manufacturers. CC-Link IE Field Network Basic compatible devices can also be connected.

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

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



**7 SD memory card interface**  
Save large volumes of data, including alarms and logging data.

■ GT2103-PMBD

Small screen, big possibilities



Small, compact, easy to operate!

Ethernet built into a compact body!  
The intuitively understandable 5-color backlight offers choices of backlight color and backlight blink according to machine operation state.

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

High-definition LCD

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



Same compact type, but so much clearer!

**GT1020**  
Monochrome (black/white) STN LCD

**GT2103**  
Monochrome TFT LCD with 32 gray scales

\* Comparison of GT1020 and GT2103-P

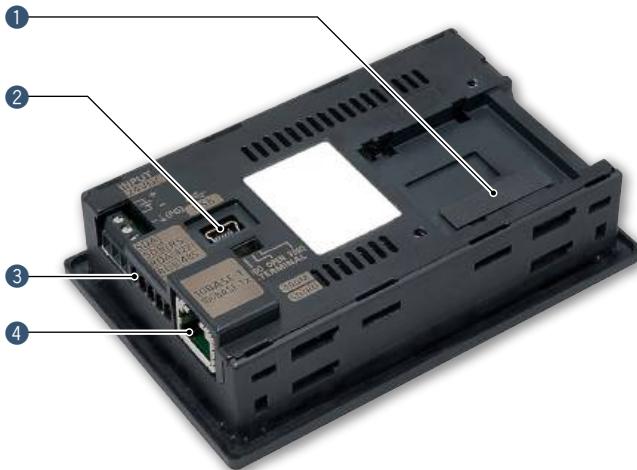
SD memory card unit is available!

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



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

■ GT2103-PMBD external appearance [rear face]



- 1 SD memory card unit interface**  
Connect an optional SD memory card unit and save data including alarms and logging data.  
\* Excluding GT2103-PMBLS
- 2 USB interface: device (USB Mini-B)**  
Connect a personal computer and transfer data.
- 3 RS-422/485 interface**  
Connect to various industrial devices and barcode readers.  
\* Excluding GT2103-PMBDS2  
\* RS-422 on GT2103-PMBLS (dedicated to FX connection)
- 4 Ethernet interface**  
Use Ethernet to simultaneously connect to up to two types of industrial devices from different manufacturers. CC-Link IE Field Network Basic compatible devices can also be connected.  
\* GT2103-PMBD only

GOT2000 compatible HMI software  
**GT SoftGOT2000**

MELSOFT

Turn your personal computer or panel computer into GOT2000



For the details of GT SoftGOT2000, please refer to the Monitoring Control System Solutions catalog (L(NA)08577ENG).

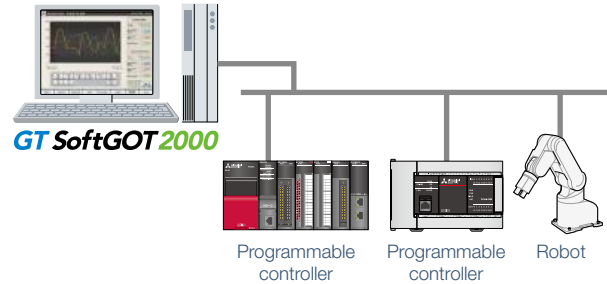
License key (for USB port)

3 GT SoftGOT2000

**Using GOT functions on a personal computer**

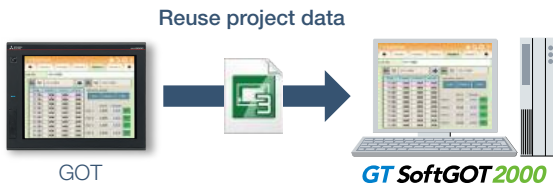
GT SoftGOT2000 is the software that has the same monitoring functions as the GOT2000 Series and is used on personal computers and panel controllers by connecting to various industrial devices.

\* GT SoftGOT2000 is a software included in GT Works3. A separate license key must be mounted during use.



**Reusing GOT2000 Series project data**

The project data of GT SoftGOT2000 is created with GT Designer3 in the same way as GOT. By converting the GOT type to GT SoftGOT2000, the project data for GOT2000 can be used as is.



**Changing resolution flexibly**

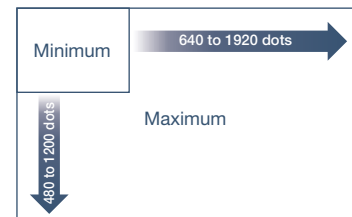
The users can select resolutions from a list or can flexibly specify resolutions to change the screen size depending on applications.

**Selectable resolution**

X: 640, 800, 1024, 1280, 1600, 1920 dots  
 Y: 480, 600, 768, 1280, 1024, 1200 dots

**Specifying resolution (1 dot unit)**

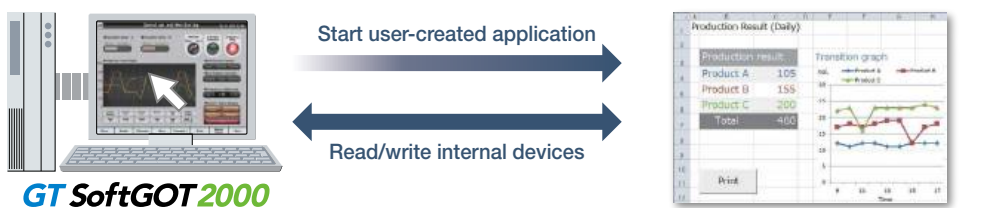
X: 640 to 1920 dots  
 Y: 480 to 1200 dots



**Interaction with other applications**

Read and write GT SoftGOT2000 internal devices using the user-created applications. In addition, by creating a touch switch on the GT SoftGOT2000 screen, it is possible to start other applications (such as Microsoft® Excel®) while monitoring with GT SoftGOT2000. Interaction with user-created applications makes it possible to build advanced systems.

\* For the supported applications, please refer to the GT SoftGOT2000 Version1 manual.



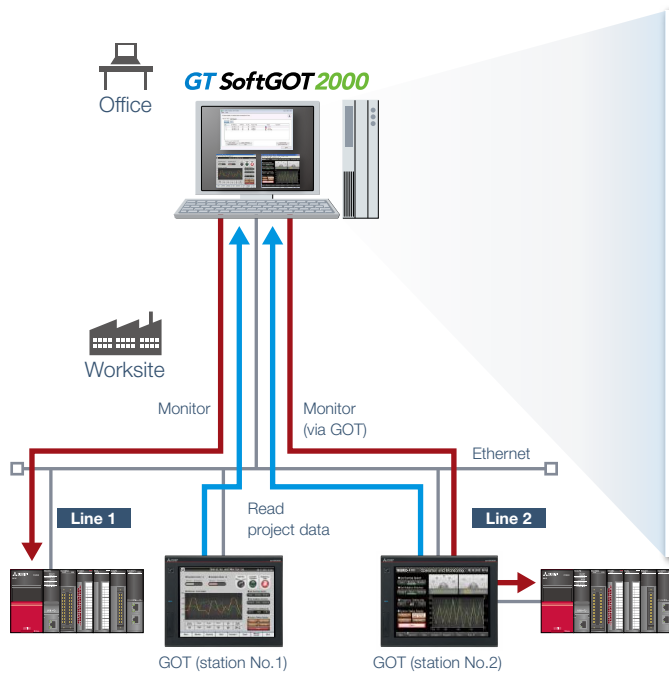
Microsoft® Excel® VBA screen example



☑GT27 ☑GT25 ☐GT23 ☐GT21

**Monitor the production site from a remote location (SoftGOT-GOT link function)**

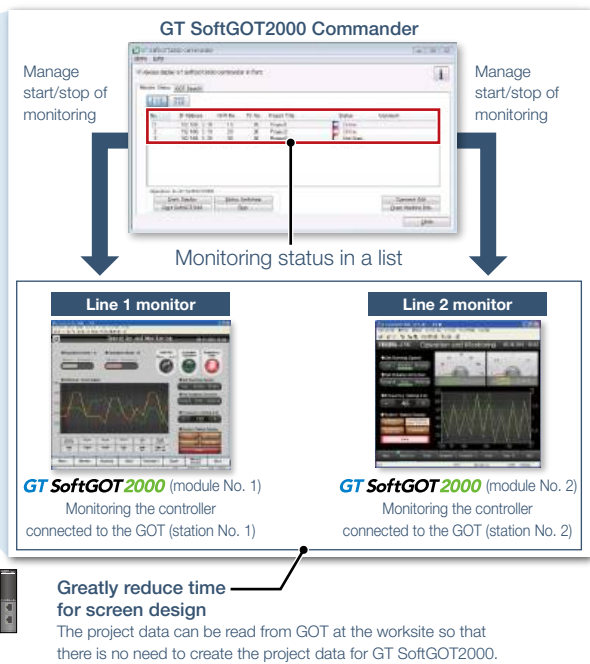
GT SoftGOT2000 reads project data from on-site GOT via Ethernet, and uses the project data to monitor connected devices. GT SoftGOT2000 can also display different screens from those on GOT. Since GT SoftGOT2000 displays the GOT screen on the personal computer, the processing load on the GOT is reduced.



☑GT27 ☑GT25 ☐GT23 ☐GT21

**Managing GT SoftGOT2000 modules that use the SoftGOT-GOT link function (GT SoftGOT2000 Commander)**

By using GT SoftGOT2000 Commander, multiple GT SoftGOT2000 modules using the SoftGOT-GOT link function can be managed. On GT SoftGOT2000 Commander, you can check the monitoring status of GT SoftGOT2000 modules, and start or stop monitoring on the modules.



**Ideal for use in edge-computing fields by supporting Edgexcross**

The data collected by Edgexcross can be used and displayed in GT SoftGOT2000 (Version 1.195D or later).



# Easy Connection to Various Industrial Devices

Built-in interfaces of GOT provide wide access to applications

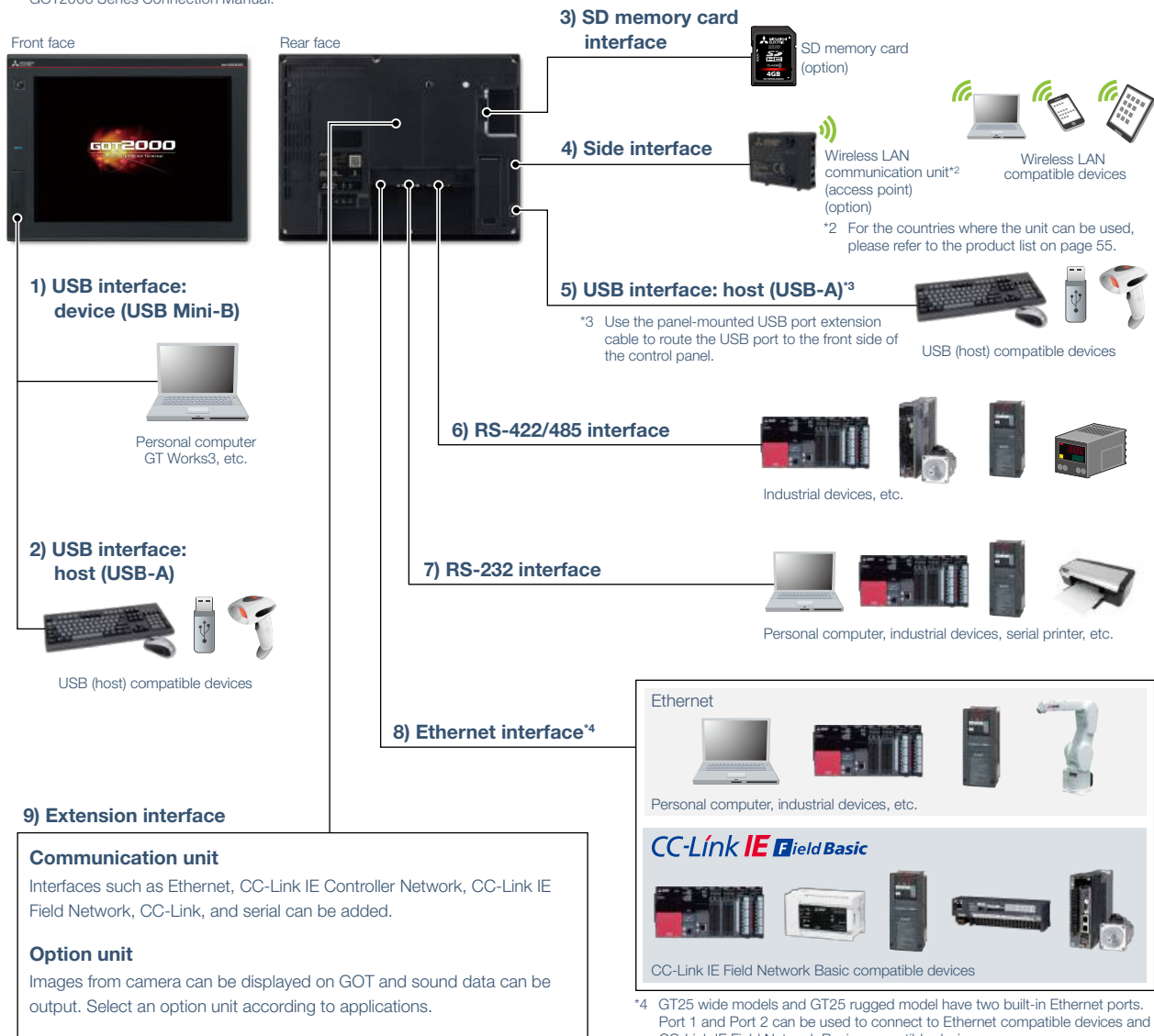


4

GOT2000 Solutions

## System configuration\*1

\*1 The following shows the system configuration of GT2712-STB□ as a representative model. For the supported devices and options of other models, please refer to the GOT2000 Series Connection Manual.



### Specification details and restrictions

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

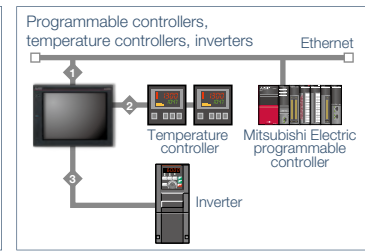
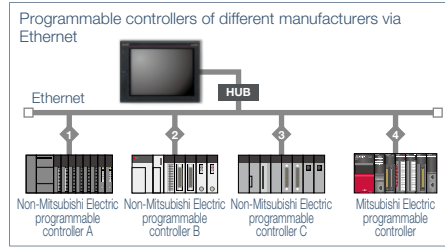
## Multi-channel function

✔GT27 ✔GT25 ✔GT23 ✔GT21

GOT supports various industrial devices and connection types. With the multi-channel function, up to four channels\* of industrial devices (programmable controllers, servos, inverters, temperature controllers, etc.) can be monitored on a single GOT.

\* Up to two channels on GT23, GT21.  
\* Excluding GT2103-PMBLS.

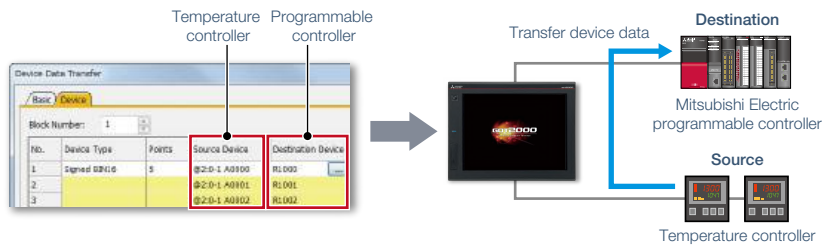
### <Typical applications>



## Device data transfer function

✔GT27 ✔GT25 ✔GT23 ✔GT21

Using GT Works3, simply set source devices, destination devices, and triggers and you can transfer devices between industrial devices.



## Manufacturers of connectable controllers

As of September 2018  
○: Connectable ×: Not connectable

Manufacturer*1	GT27/GT25/ GT23	GT21					
		GT2104- RTBD	GT2103- PMBD	GT2103- PMBDS	GT2103- PMBDS2	GT2103- PMBLS	GT2107-W
Mitsubishi Electric Corporation	○	○	○	○	○	○ FXCPU only	○
OMRON Corporation	○	○	○	○	○	×	○
KEYENCE CORPORATION	○	○	○	○	○	×	○
KOYO ELECTRONICS INDUSTRIES CO., LTD.	○	×	×	×	×	×	×
Sharp Corporation	○	×	×	×	×	×	×
JTEKT Corporation	○	×	×	×	×	×	×
TOSHIBA CORPORATION	○	×	×	×	×	×	×
TOSHIBA MACHINE CO., LTD.	○	○	○	○	○	×	○
HITACHI Industrial Equipment Systems Co., Ltd.	○	×	×	×	×	×	×
Hitachi Ltd.	○	×	×	×	×	×	×
FUJI ELECTRIC CO., LTD.	○	×	×	×	×	×	×
Panasonic Industrial Devices SUNX Co., Ltd.	○	○	○	○	○	×	○
YASKAWA Electric Corporation	○	○	○	○	○	×	○
Yokogawa Electric Corporation	○	×	×	×	×	×	×
Allen-Bradley (Rockwell Automation, Inc.)	○	○	○	○	○	×	○
GE Intelligent Platforms, Inc.	○	×	×	×	×	×	×
LS Industrial Systems Co., Ltd.	○	○	○	○	○	×	○
Mitsubishi Electric India Pvt. Ltd.	○	○	○	○	○	×	○
Schneider Electric SA	○	○	○	○	○	×	○
SICK AG	○	○	×	○	○	×	○
Siemens AG	○	○	○	○	○	×	○

\*1 For the details of connectable controllers, please refer to the Graphic Operation Terminal GOT2000 Series Catalog (L(NA)08270ENG) or the GOT2000 Series Connection Manual.

### Specification details and restrictions

Supported connection types, number of channels, and functions differ depending on the GOT type. For the details, please refer to the relevant product manual.

# GOT Smart Web-based Remote Solutions

Visualize production from a remote location



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	—
Required options	License (register on GOT)	License (register on GOT)	License key (attach to PC)	License (register on GOT)
Authorization exclusive control	○	○	○	—
Screen display	Supported objects (touch switch, etc.)	△ Some functions are different from GOT	○ Same as GOT	—
	Monitoring functions (sequence program monitor, etc.)	× Not supported	○ Same as GOT	—

\*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.



GT27 GT25 GT23 GT21

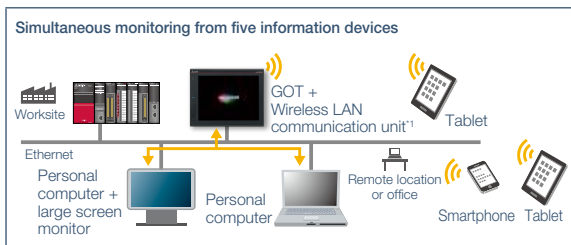
## GOT Mobile function

Check the equipment status using a web browser on tablets from a remote location. Up to five information devices (clients) 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.

\* Browsers (Google Chrome or Safari) are required on clients.



\*1 The wireless LAN communication unit cannot be used with GT2505 or GT25 handy models. An access point is required separately.

**Check the status of the worksite using a web browser.**

Outside of the clean room

From a remote location

From your office

**Other usage**

On a large screen

Up to five operators

Monitor production with one PC

### Specification details and restrictions

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

### 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.

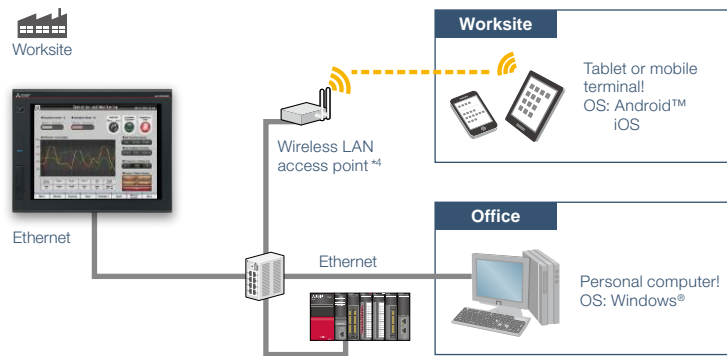


### VNC server function\*1\*2

✔GT27 ✔GT25 □GT23 ✔GT21<sup>3</sup>

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

- \*1 A separate license (GT25-VNCSKEY-□) is required.
- \*2 One client can connect to one GOT at the same time.
- \*3 Supported by GT2107-W only among GT21 models.



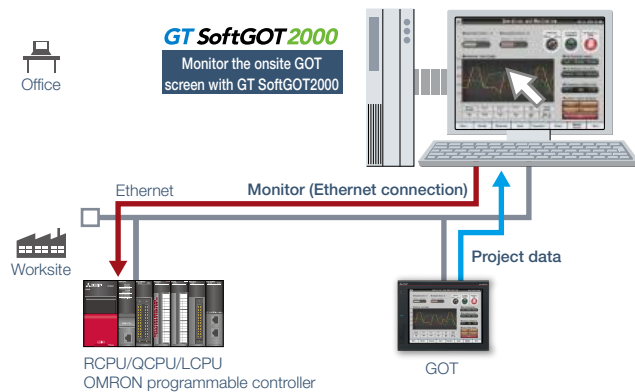
\*4 No access point is required separately when installing the wireless LAN communication unit on the GOT. The wireless LAN communication unit cannot be used with GT2505, GT25 handy, or GT21 models.

### 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.



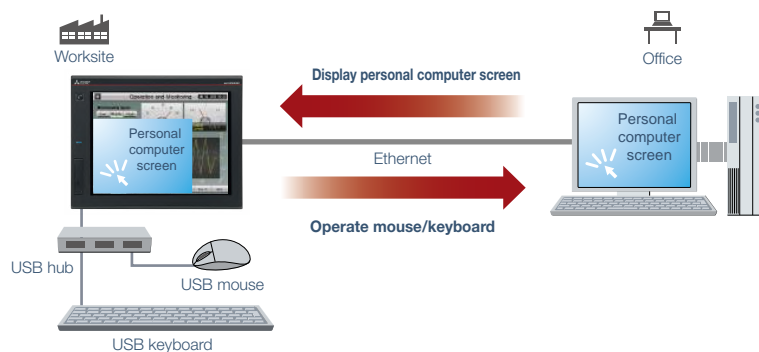
### Remote personal computer operation function (Ethernet)

✔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.



### Visualize production from a remote location

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

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



#### Specification details and restrictions

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

#### 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



4

GOT2000 Solutions

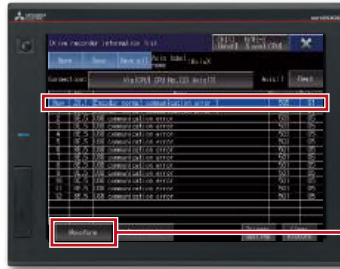
## Drive recorder function Dedicated screen

GT27 GT25 GT23 GT21

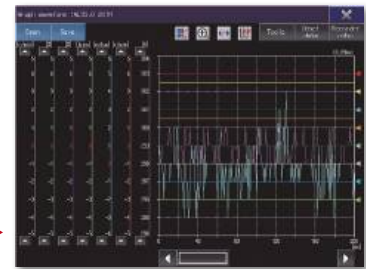
**B B-RJ WB GF GF-RJ JE-B**

GOT displays 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.

GOT2000



Drive recorder information list screen



Graph waveform screen



Store the servo data on the GOT's SD memory card or USB memory, and check and analyze in your office.

**NEW**

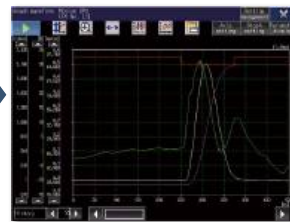
## Servo amplifier graph function Dedicated screen

GT27 GT25 GT23 GT21

**B B-RJ WB JE-B**

### ■ Startup, adjustment

The servo amplifier graph function visualizes changes in operation of the equipment due to gain adjustment. Without using a personal computer, you can adjust gains and check parameter information efficiently.

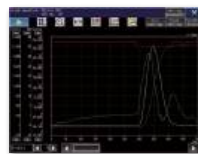


### Servo amplifier graph waveform

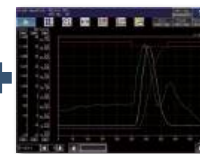
The data of each axis (speed, torque values, etc.) are shown in up to 64 lines in a graph using a window screen on a user-created screen.

### ■ Maintenance

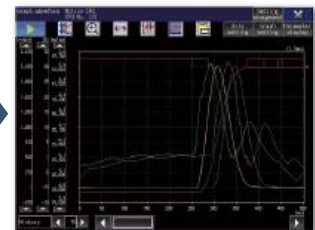
In the servo amplifier graph function, a specific period of time can be set in the collection and trigger setting window. Then the waveform data that occurred within the set period and the parameter information can be buffered in a servo amplifier, and can be read out and displayed on the GOT. By saving a normal waveform data as a history, you can compare it with the data measured in the same conditions by superimposing them; therefore it is useful for equipment maintenance.



Normal waveform data



Abnormal waveform data



You can see the difference at a glance by superimposing normal and abnormal waveform data

NEW

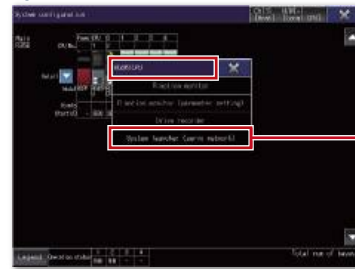
**System launcher (servo network) function** Dedicated screen

GT27 GT25 GT23 GT21

**B** **B-RJ** **WB** **JE-B**

GOT automatically generates the network configuration diagram for the number of servo axes used so that you can check the system in an easy-to-view screen. You can start the function from the utility screen or just by touching a special function switch on a user-created screen to check the system status.

System launcher



Start system launcher (servo network) from the function list

Servo network configuration diagram



Where the error occurred is visible and easy to check

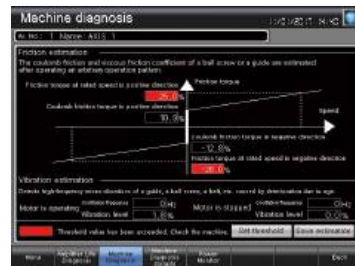
**Machine diagnosis function/ Servo amplifier life diagnosis function** Sample screen

GT27 GT25 GT23 GT21

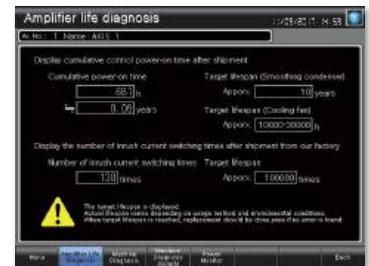
**B** **B-RJ** **WB** **A** **A-RJ** **GF** **GF-RJ** **JE-B** **JE-A** **JE-C**

GOT displays the diagnosis screens that are equivalent to the maintenance functions of MR Configurator2. Without using a personal computer, you can predict the deterioration of the machine for easy preventive maintenance.

\* Ready to use sample screens are available.



Machine diagnosis screen



Servo amplifier life diagnosis screen

**One-touch tuning function/Tuning function** Sample screen

GT27 GT25 GT23 GT21

**B** **B-RJ** **WB** **A** **A-RJ** **GF** **GF-RJ** **JE-B** **JE-A** **JE-C**

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 are available.



One-touch tuning screen



Tuning screen

**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 the 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 Drive Control (Servo) Interactive Solutions catalog (L(NA)08335ENG)



Legend			
<b>B</b>	MR-J4-B	<b>B-RJ</b>	MR-J4-B-RJ
<b>GF</b>	MR-J4-GF	<b>GF-RJ</b>	MR-J4-GF-RJ
<b>JE-B</b>	MR-JE-B	<b>JE-A</b>	MR-JE-A
		<b>WB</b>	MR-J4W2-B/MR-J4W3-B
		<b>A</b>	MR-J4-A
		<b>JE-C</b>	MR-JE-C
		<b>A-RJ</b>	MR-J4-A-RJ

Dedicated screen The screen is provided as the extended function of GOT; therefore there is no need for the users to create the screen.

Sample screen The screen data is included with GT Works3. (As of September 2018)

# GOT2000 Functions

Functions designed to meet your requirements

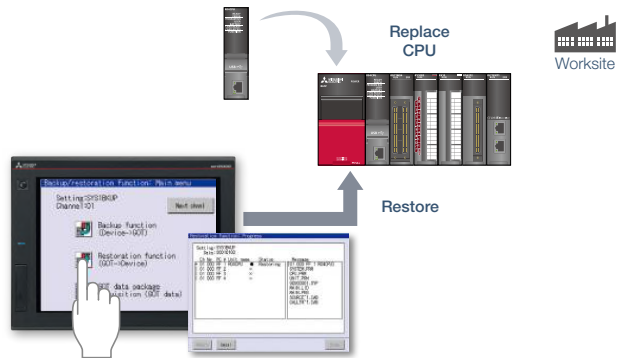


## Backup/Restoration function

✔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.



## Sequence program monitor (iQ-R ladder)/ Sequence program monitor (Ladder) function

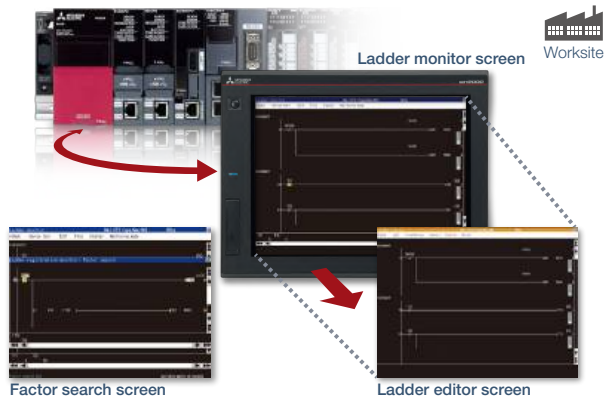
✔GT27 ✔GT25 □GT23 □GT21

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.

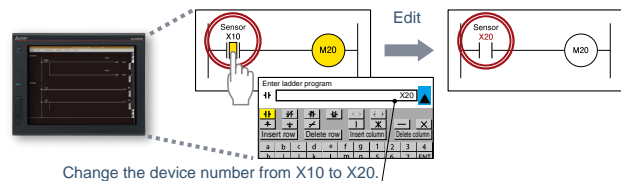
### Sequence program monitor (Ladder monitor)

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



### Ladder editor

Sequence programs of Mitsubishi Electric 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.



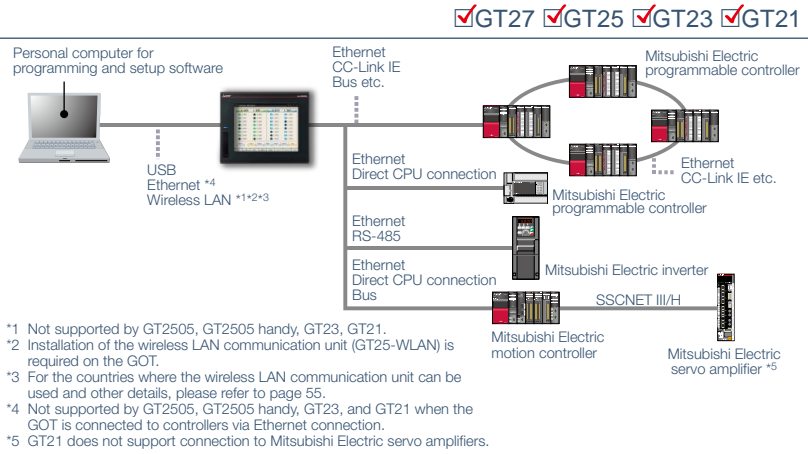
### Specification details and restrictions

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



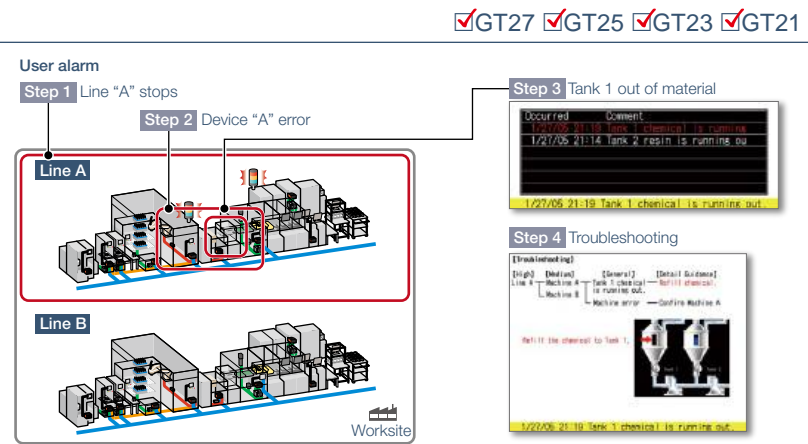
## FA transparent function

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.



## Alarm function

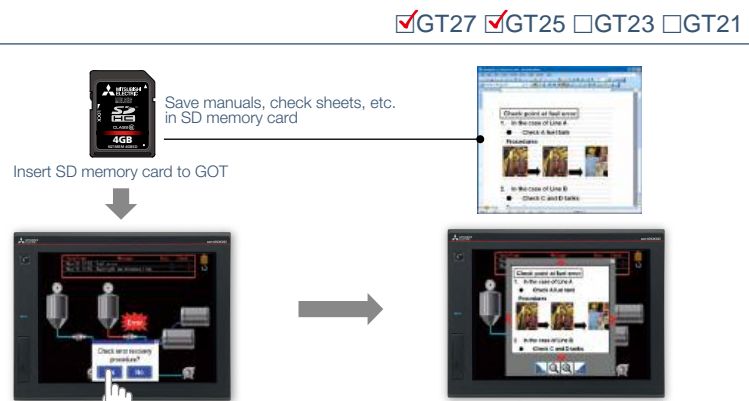
Alarms are displayed with a station No. and CPU No. in the list grouped by system or level. It helps you to identify the location where the error occurred in a large system, leading to quick troubleshooting.



## Document display function\*1

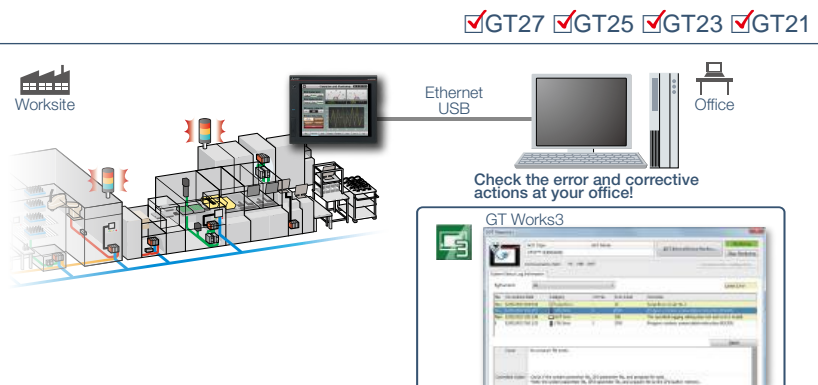
GOT displays various kinds of documents\*2 such as manuals. With bookmark display and keyword searches, you can instantly check the information you want in a PDF file.

\*1 A separate SD memory card is required.  
 \*2 PDF file, DocumentConverter output file (docx, xlsx, pptx, pdf, jpg, bmp)



## GOT diagnostics function

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. You can also monitor the GOT internal devices and change the device values as necessary.



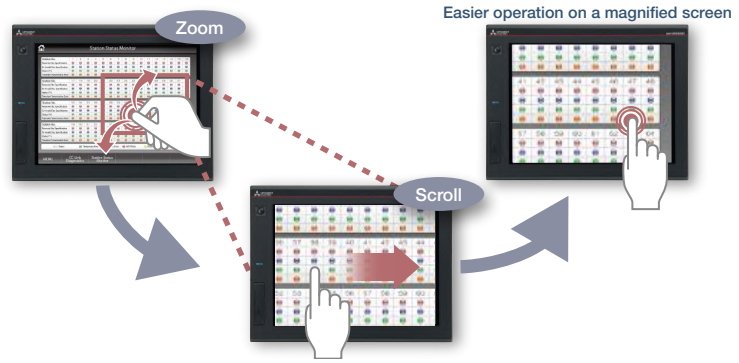
### Specification details and restrictions

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

## 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.



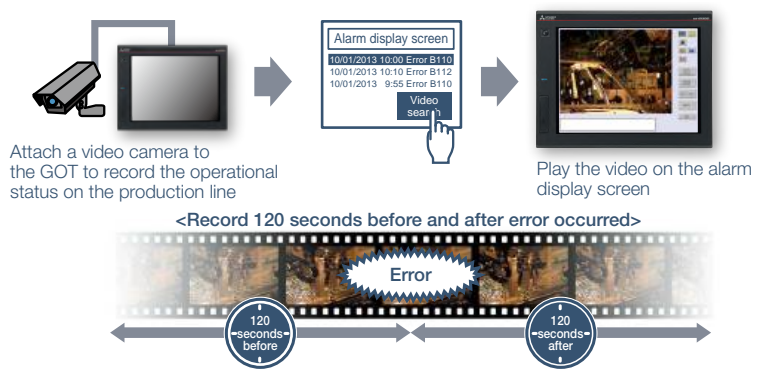
## Multimedia function

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.

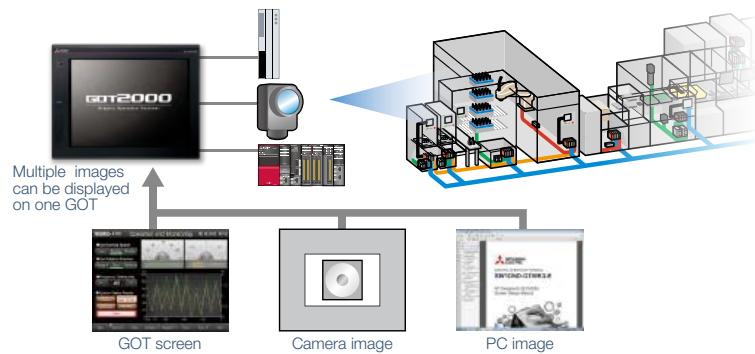


## Video/RGB function

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 42).

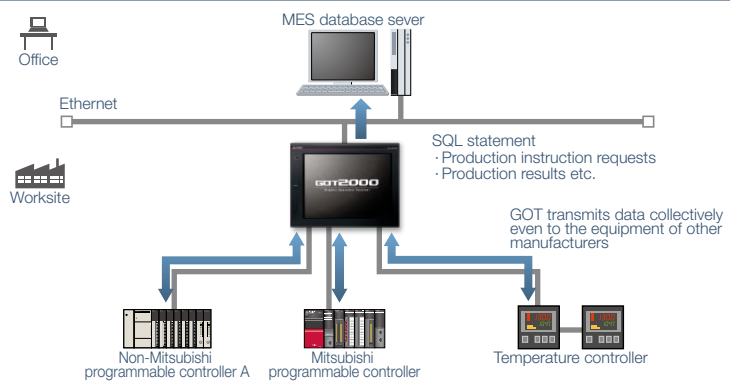


## MES interface function\*1

GT27 GT25 GT23 GT21

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

- \*1 A separate license (GT25-MESIFKEY-□) is required.
- \*2 SQL is a language to manipulate database.



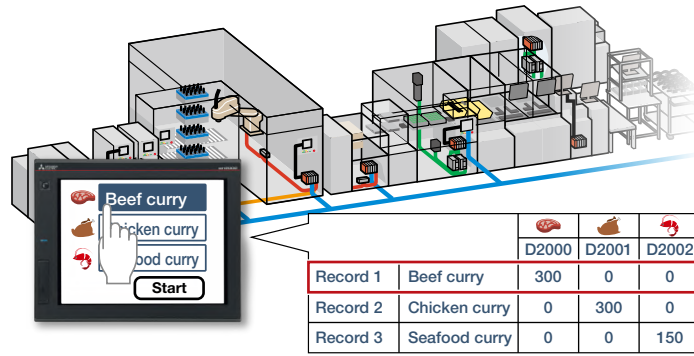
### Specification details and restrictions

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

## Recipe function

✔GT27 ✔GT25 ✔GT23 ✔GT21

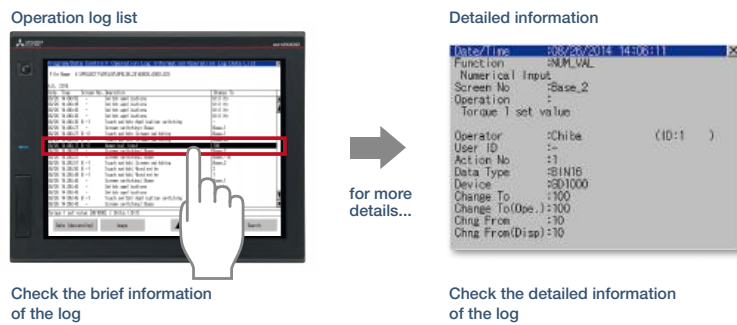
GOT saves recipe information for individual product. You can select a recipe to be written to the programmable controller, which achieves the quick changeover for the production line.



## Operation log function

✔GT27 ✔GT25 ✔GT23 □GT21

GOT records the operation information, such as the “what, when, and how” of an operation performed, in chronological order in an SD memory card or USB memory. The record can be output to printers. Use of the operation log function combined with the operator authentication function records additional information of “who” performed the operation.

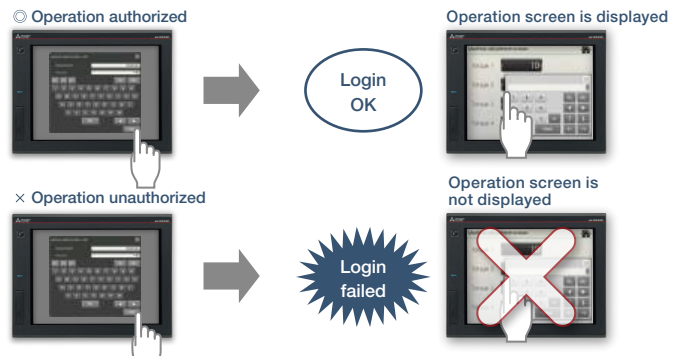


\* A separate SD memory card or USB memory is required.

## 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 the “who, what, when, and how” of an operation performed.

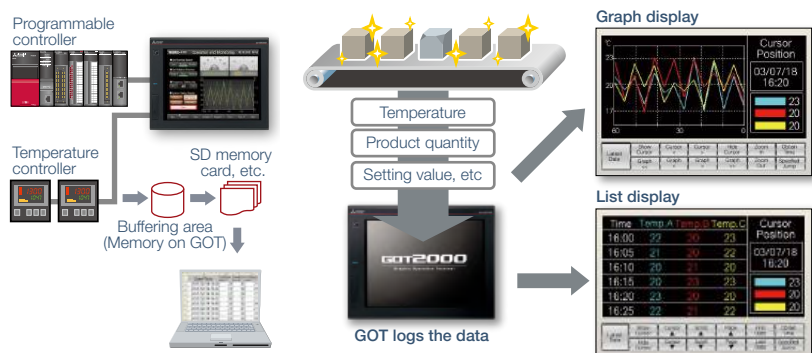


## Logging & Graph/List

✔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.



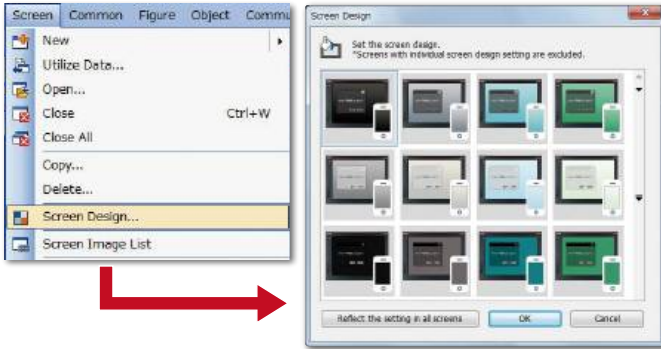
### Specification details and restrictions

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

# Professional Designs in Just a Few Clicks

**NEW**  
**GOT Graphic Ver.2**

Simply select your favorite design from a series of themes to easily set a background with beautiful gradation. Of course, you can also customize each screen individually.



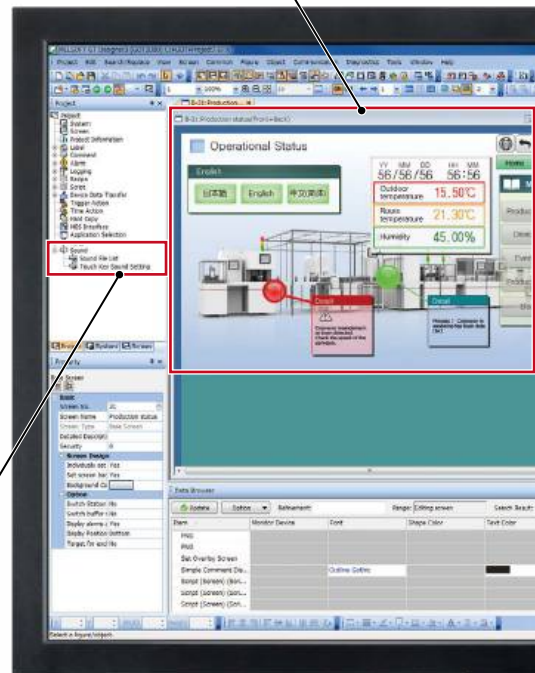
**More advanced features!**

- Gradation can be set for screen backgrounds
- Window screens and alarm popup displays can be transparent
- Create window screens with round corners
- System key window design is more stylish than ever<sup>\*1</sup>
- Figure antialiasing results in improved appearance
- Configure and change all screen backgrounds at once

<sup>\*1</sup> Not supported by GT23, GT21.

For the details of GT Works3 new functions, please refer to the following catalog.

- Graphic Operation Terminal  
GOT2000 NEWS Vol.9 Leaflet (L(NA)08537ENG)



**NEW**  
**Speech synthesis function<sup>\*2</sup>**

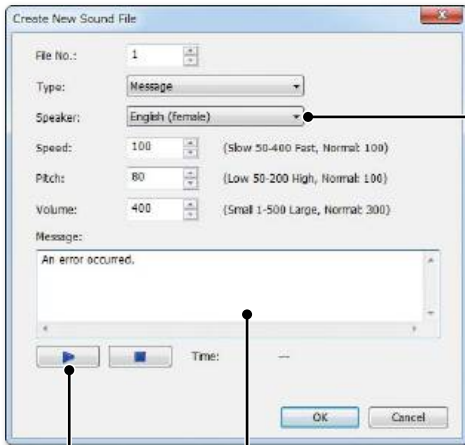
Just enter arbitrary text in GT Works3 to create a sound file. It is easy to create a sound file of a message that is needed to output sound on GOT. The speaker (female/male), language, speed, pitch, and volume of the voice can be set.

<sup>\*2</sup> To register or update messages, GT Works Text to Speech License (SW1DND-GTVO-M) is required.

**Supported language**

- Japanese
- English
- Chinese (Simplified)
- Chinese (Traditional)<sup>\*3</sup>
- Korean
- Spanish

**Image of creating a sound file (message)**



Select language and speaker (male/female)



An error occurred.

エラーが発生しました。

系统发生异常。

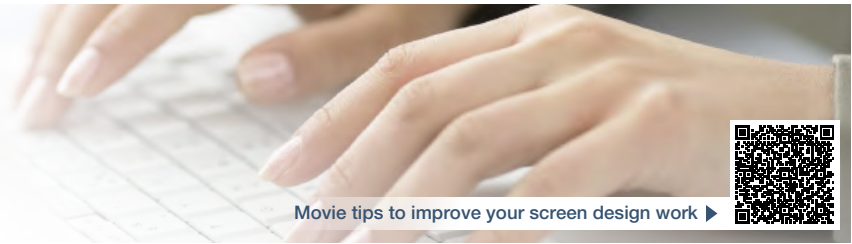
Playback and check the sound

Enter an arbitrary message

<sup>\*3</sup> Only female speaker is supported in Chinese (Traditional).



GOT Screen Design Software  
MELSOFT GT Works3



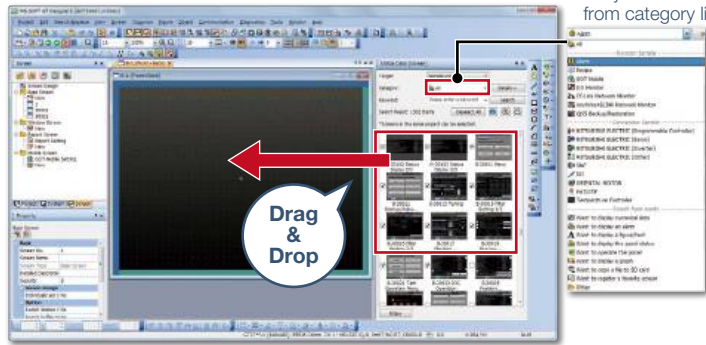
Movie tips to improve your screen design work ▶

Upgraded

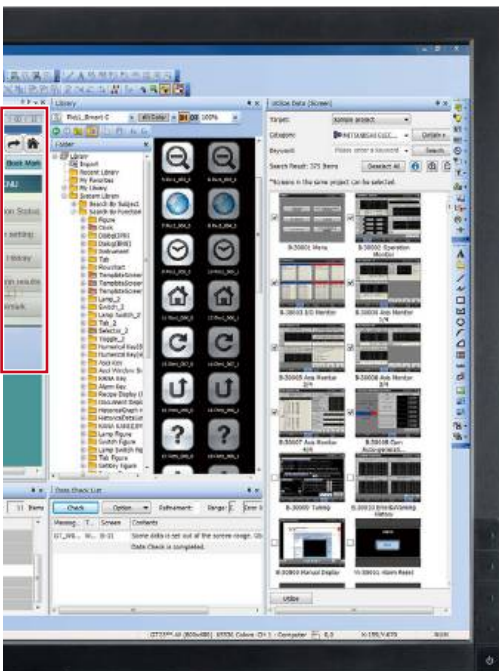
Utilize data (Screens)

Individual screens can be utilized from past projects and sample projects. Select the screens to utilize, then drag and drop to launch the utilization wizard. Just follow the simple steps and you can utilize the project data.

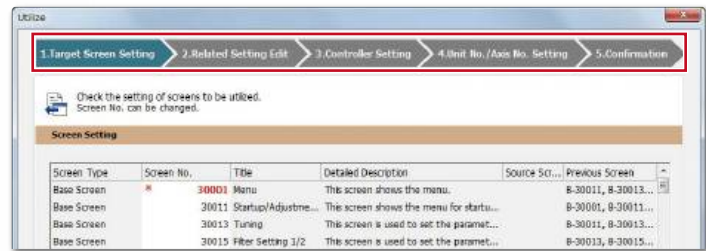
Easy searches from category lists



Drag & Drop



Utilization wizard



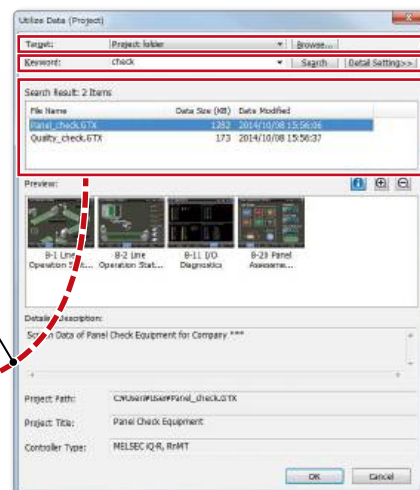
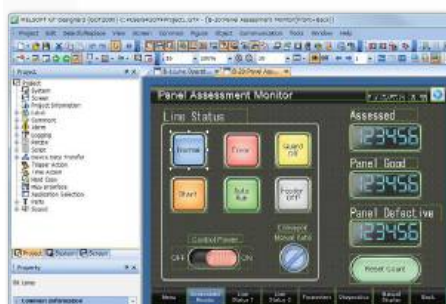
Simple step navigation.

Settings related to target screen (comment group, logging, scripts, etc.) can also be utilized.

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.

Choose the applicable project from the search result



Specify search range

Select "Sample Project" to reuse a sample project.

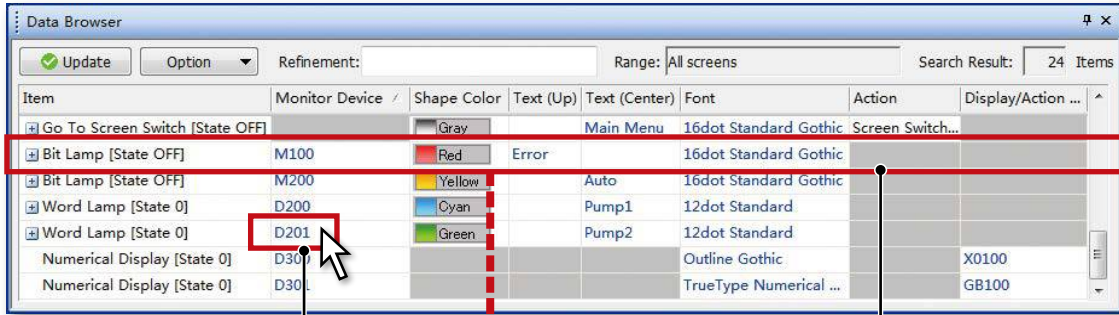
Select or input a keyword

Select a prepared keyword or input an arbitrary keyword.

Search results are displayed

### Data browser

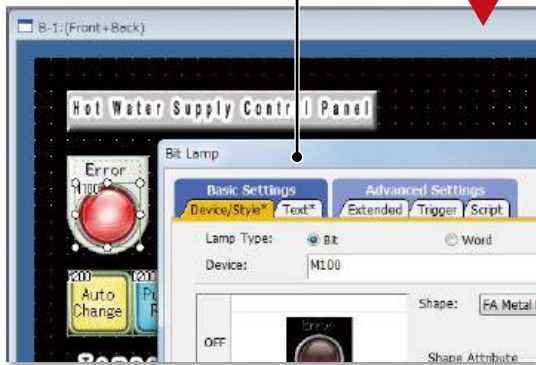
The data browser shows a list of objects used in the project. The settings can be edited directly on the browser or by opening the setting dialog. You can easily identify any duplicate data and no longer have to open multiple screens.



Directly edit on the list, or edit from the setting dialog.

Double-click

After selecting a line, the tree can be expanded with Shift + [+] key.

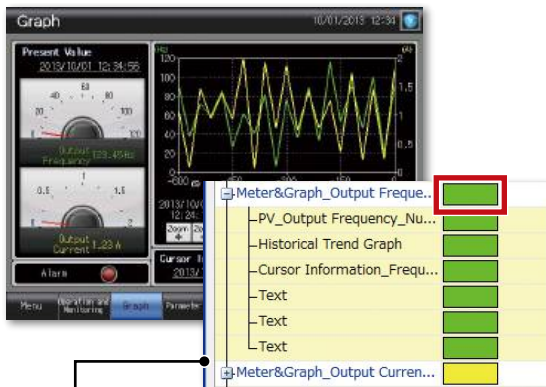


- **Display targets**  
Figures, objects, screen scripts, screen trigger actions
- **Editable details**  
Directly edit devices and text, etc.  
Change devices, text, colors, and figures in a batch  
Change action settings, fonts, and figures  
Change range settings of numerical displays and other objects  
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.



Make batch changes with simple settings



Change color from green to red



Colors and devices are changed in a batch

#### 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

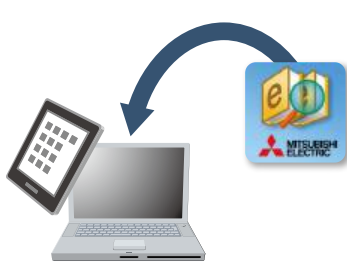
## e-Manual

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.

Concept movie

Windows® version

Tablet version



1 Install e-Manual Viewer



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

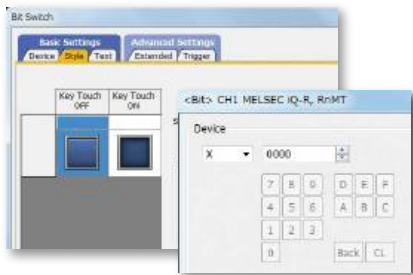


3 Increase your screen design efficiently

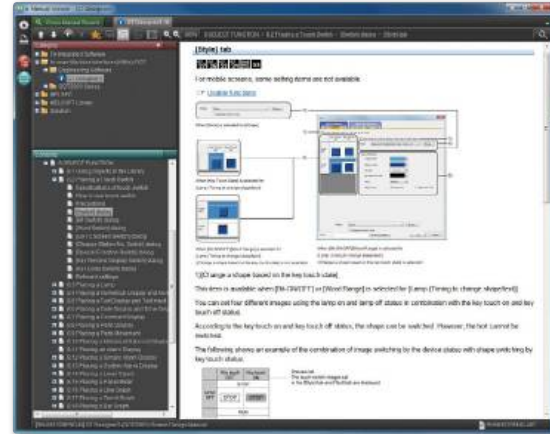
### Quickly confirm with F1 key

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

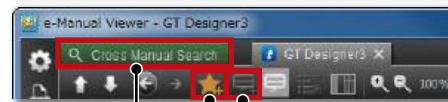


### e-Manual



### 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.

## Sample projects [English, Japanese, Chinese [Simplified]]

GOT2000 has many sample projects that can be used when designing screens. Just select a sample and apply it to your screen.





# Specifications

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

●: Supported —: Not supported

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

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

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

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

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

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

\*6 Excluding GT2103-PMBLS.

\*7 GT2104-RTBD only.

\*8 Excluding GT2705-VTBD.



# Specifications

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

●: Supported —: Not supported

Category	Function name	Necessary devices <sup>*1</sup>	GT25 Handy <b>NEW</b>	GT23	GT21	GT21 Wide <b>NEW</b>	GT SoftGOT2000	
Screen size	15"		—	—	—	—		
	12.1"		—	—	—	—		
	10.4"		—	●	—	—		
	10.1" Wide <b>NEW</b>		—	—	—	—		
	8.4"		—	●	—	—		
	7" Wide <b>NEW</b>		—	—	—	●		
	6.5" <b>NEW</b>		●	—	—	—		
	5.7"		●	—	—	—		
	4.3"		—	—	●	—		
	3.8"		—	—	●	—		
Resolution	WXGA 1280 × 800 <b>NEW</b>		—	—	—	—	Flexible resolution 640 to 1920 × 480 to 1200	
	XGA 1024 × 768		—	—	—	—		
	SVGA 800 × 600		—	—	—	—		
	WVGA 800 × 480 <b>NEW</b>		—	—	—	●		
	VGA 640 × 480		●	●	—	—		
	Other		—	—	GT2104-R: 480 × 272 GT2103-P: 320 × 128	—		
Color	65536 colors		●	●	●	●	●	
	Monochrome (black/white) 32 shade grayscale		—	—	●	—	—	
Human sensor	Touch panel simultaneous press (2 points)		—	—	—	—	—	
	Human sensor		—	—	—	—	—	
Memory	Memory for storage (ROM)		32 MB	9 MB	GT2104-R: 9 MB GT2103-P: 3 MB	15 MB	57 MB	
	Memory for operation (RAM)		80 MB	9 MB	—	—	—	
Interface	RS-232		●	●	●	●	● <sup>*12</sup>	
	RS-422/485		GT2505HS supports RS-422 only	●	●	●	● <sup>*12</sup>	
	Ethernet	(Ethernet communication unit)	●	●	●	●	● <sup>*11</sup>	
	USB host		●	●	—	●	● <sup>*13</sup>	
	USB device		●	●	●	●	—	
	SD memory card interface		●	●	● <sup>*14</sup>	●	● <sup>*13</sup>	
	Extension interface, Side interface, Wireless LAN communication unit interface	Communication units, option units	—	—	—	—	● <sup>*11</sup>	
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)	●	●	● <sup>*16</sup>	●	●	
	Parts movement	(SD memory card or USB memory)	●	●	● <sup>*16</sup>	●	●	
	Historical data list display	(SD memory card or USB memory)	●	●	● <sup>*16</sup>	●	●	
	Simple alarm display		●	●	●	●	●	
	System alarm display		●	●	—	—	●	
	Alarm display (user)	(SD memory card or USB memory, battery)	●	●	● <sup>*16</sup>	●	●	
	Alarm display (system)	(SD memory card or USB memory, battery)	●	●	—	—	●	
	Recipe display (record list)		●	●	●	●	●	
	Line graph		●	●	●	●	●	
	Trend graph		●	●	●	●	●	
	Bar graph		●	●	●	●	●	
	Statistic bar graph		●	●	●	●	●	
	Statistic pie graph		●	●	●	●	●	
	Scatter graph		●	●	●	●	●	
	Historical trend graph	(SD memory card or USB memory)	●	●	● <sup>*16</sup>	●	●	
Graphical meter		●	●	● <b>NEW</b>	●	●		
Level		●	●	●	●	●		
Panelmeter		●	●	●	●	●		
Slider		●	●	●	●	●		
Document display	SD memory card	●	—	—	—	●		
Script parts		●	●	●	●	●		
Functions performed on background of GOT	Logging	(SD memory card or USB memory, battery)	●	●	● <sup>*6</sup>	●	●	
	Recipe	(SD memory card or USB memory, battery)	●	●	● <sup>*16</sup>	●	●	
	Device data transfer		●	●	●	●	●	
	Trigger action		●	●	●	●	●	
	Time action	(SD memory card or USB memory)	●	●	●	●	●	
	Hard copy	File output	(SD memory card or USB memory)	●	●	● <sup>*6</sup>	●	●
		Serial printer output		—	●	● <sup>*6</sup>	●	● <sup>*2</sup>
		Ethernet printer output <b>NEW</b>		●	●	● <sup>*15</sup>	●	—
		PictBridge printer output	Printer unit	—	—	—	—	● <sup>*2</sup>
	Project script, Screen script		●	●	●	●	●	
Object script		●	●	—	—	●		

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

<sup>\*10</sup> GT2715-XTBA, GT2715-XTBD, GT2712-STBA, GT2712-STBD, GT2712-STWA, GT2712-STWD only.

<sup>\*11</sup> For the applicable communication units and option units, please refer to "Product list" (page 55) and the relevant product manual.

<sup>\*12</sup> Use the standard interface of the personal computer.

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

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

<sup>\*15</sup> GT2104-RTBD, GT2103-PMBD only.

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

<sup>\*17</sup> Excluding GT2505-VTBD.

<sup>\*18</sup> GT25 wide and GT25 rugged models have a built-in sound output interface so that the sound output unit is not required.

<sup>\*19</sup> GT2505HS-VTBD supports the function with Ethernet connection only.

# Specifications

## Function list

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

●: Supported —: Not supported

Category	Function name	Necessary devices <sup>*1</sup>	GT27	GT25	GT25 Wide <b>NEW</b>	GT25 Rugged <b>NEW</b>	
Functions used with peripheral devices	Barcode function		●	●	●	●	
	RFID function		●	●	●	●	
	GOT Mobile function	License, (SD memory card)	●	●	●	●	
	VNC server function	License	●	●	●	●	
	Remote personal computer operation function (Ethernet)	License	●	●	●	●	
	Remote personal computer operation function (serial)	RGB input unit or Video/RGB input unit	● <sup>*8</sup>	—	—	—	
	Video display function	Video input unit or Video/RGB input unit	● <sup>*8</sup>	—	—	—	
	RGB display function	RGB input unit or Video/RGB input unit	● <sup>*8</sup>	—	—	—	
	Multimedia function	Multimedia unit, CF card	● <sup>*8</sup>	—	—	—	
	External I/O function	External I/O unit	●	● <sup>*17</sup>	—	—	
	Operation panel function	External I/O unit	●	● <sup>*17</sup>	—	—	
	Video output function	HDMI output <b>NEW</b>	Digital video output unit	● <sup>*8</sup>	—	—	—
		RGB output	RGB output unit	● <sup>*8</sup>	—	—	—
	Report function	File output <b>NEW</b>	(SD memory card or USB memory)	●	●	●	●
		Serial printer output	(SD memory card or USB memory)	●	●	●	●
		Ethernet printer output <b>NEW</b>	(SD memory card or USB memory)	●	●	●	●
		PictBridge printer output	SD memory card or USB memory, printer unit	●	● <sup>*17</sup>	—	—
	Sound output function	Sound output unit <sup>*18</sup>	●	● <sup>*17</sup>	● <sup>*18</sup>	● <sup>*18</sup>	
	Server function, Client function		●	●	●	●	
	Mail send function		●	●	●	●	
	Network drive function <b>NEW</b>		●	●	●	●	
	FTP server function	(SD memory card or USB memory)	●	●	●	●	
	File transfer function (FTP transfer)	SD memory card or USB memory	●	●	●	●	
	File transfer function (GOT internal transfer)	SD memory card or USB memory	●	●	●	●	
	MES interface function	License, (SD memory card)	●	●	●	●	
	Wireless LAN function	Wireless LAN communication unit	●	● <sup>*17</sup>	●	●	
	USB mouse, USB keyboard		●	●	●	●	
	GOT functions	Base screen		●	●	●	●
		Overlap window		●	●	●	●
		Superimpose window		●	●	●	●
		Dialog window		●	●	●	●
		Mobile screen		●	●	●	●
		Key window		●	●	●	●
		Language switching		●	●	●	●
		System information		●	●	●	●
Operator authentication function		(SD memory card or USB memory)	●	●	●	●	
Operation log		SD memory card or USB memory	●	●	●	●	
Startup logo			●	●	●	●	
KANA KANJI conversion			●	●	●	●	
FA transparent			●	●	●	●	
SoftGOT-GOT link		License key	●	●	●	●	
Backup/Restoration		SD memory card or USB memory	●	●	●	●	
Multi-channel function			● <sup>*9</sup> 4 channels (Up to 3 units)	● 4 channels (Up to 3 units <sup>*17</sup> )	● 4 channels (No units can be mounted)	● 4 channels (No units can be mounted)	
Station No. switching			●	●	●	●	
GOT network interaction			●	●	●	●	
Screen gesture function			●	—	—	—	
Object gesture function			●	—	—	—	
Security key authentication function			●	●	●	●	
IP filter function			●	●	●	●	
File manager		(SD memory card or USB memory)	●	●	●	●	
Vertical display <sup>*5</sup>			(Rotate 90 ° to left)	(Other than below: rotate 90 ° to left GT2505: rotate 90 ° to right)	(Rotate 90 ° to left)	(Rotate 90 ° to left)	
Maintenance functions		Device monitor	(SD memory card or USB memory)	●	●	●	●
	Sequence program monitor (IQ-R ladder)	SD memory card or USB memory	●	●	●	●	
	Sequence program monitor (Ladder)	SD memory card or USB memory	●	●	●	●	
	Sequence program monitor (SFC)	SD memory card or USB memory	●	●	●	●	
	Network monitor		●	●	●	●	
	CC-Link IE Field Network diagnostics <b>NEW</b>		●	●	●	●	
	Intelligent module monitor		●	●	●	●	
	Drive recorder	(SD memory card or USB memory)	●	●	●	●	
	Servo amplifier graph <b>NEW</b>	(SD memory card or USB memory)	●	●	●	●	
	Motion program editor <b>NEW</b>		● <sup>*4</sup>	● <sup>*4</sup>	—	—	
	Motion program I/O <b>NEW</b>	SD memory card or USB memory	● <sup>*4</sup>	● <sup>*4</sup>	—	—	
	Servo amplifier monitor		●	●	●	●	
	R motion monitor		●	●	●	●	
	Q motion monitor		●	●	●	●	
	Motion SFC monitor	SD memory card or USB memory	●	●	●	●	
	CNC monitor 2 <b>NEW</b>		●	●	—	—	
	CNC monitor		● <sup>*4</sup>	● <sup>*4</sup>	—	—	
	CNC data I/O	SD memory card or USB memory	● <sup>*4</sup>	● <sup>*4</sup>	—	—	
	CNC machining program edit		● <sup>*4</sup>	● <sup>*4</sup>	—	—	
	Log viewer	(SD memory card or USB memory)	●	●	●	●	
	FX list editor		●	●	—	—	
	FX ladder monitor		●	●	●	●	
	iQSS utility	SD memory card or USB memory	●	●	●	●	
	System launcher		●	●	●	●	
	System launcher (servo network) <b>NEW</b>		●	●	●	●	
MELSEC-L troubleshooting		●	●	●	●		

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

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

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

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

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

\*6 Excluding GT2103-PMBLS.

\*7 GT2104-RTBD only.

\*8 Excluding GT2705-VTBD.

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

●: Supported —: Not supported

Category	Function name	Necessary devices <sup>*1</sup>	GT25 Handy <b>NEW</b>	GT23	GT21	GT21 Wide <b>NEW</b>	GT SoftGOT2000	
Screen design	Barcode function		—	●	● <sup>*6</sup>	●	●	
	RFID function		—	●	● <sup>*6</sup>	●	●	
	GOT Mobile function	License, (SD memory card)	●	—	—	—	—	
	VNC server function	License	●	—	—	●	—	
	Remote personal computer operation function (Ethernet)	License	●	—	—	—	—	
	Remote personal computer operation function (serial)	RGB input unit or Video/RGB input unit	—	—	—	—	—	
	Video display function	Video input unit or Video/RGB input unit	—	—	—	—	—	
	RGB display function	RGB input unit or Video/RGB input unit	—	—	—	—	—	
	Multimedia function	Multimedia unit, CF card	—	—	—	—	—	
	External I/O function	External I/O unit	—	—	—	—	—	
	Operation panel function	External I/O unit	—	—	—	—	●	
	Video output function	HDMI output <b>NEW</b>	Digital video output unit	—	—	—	—	—
		RGB output	RGB output unit	—	—	—	—	—
	Report function	File output <b>NEW</b>	(SD memory card or USB memory)	●	●	—	—	—
		Serial printer output	(SD memory card or USB memory)	●	●	● <sup>*6</sup>	●	● <sup>*3</sup>
		Ethernet printer output <b>NEW</b>	(SD memory card or USB memory)	●	●	● <sup>*15</sup>	●	—
		PictBridge printer output	SD memory card or USB memory, printer unit	—	—	—	—	● <sup>*3</sup>
	Sound output function	Sound output unit <sup>*18</sup>	—	—	—	—	●	
	Server function, Client function		●	—	—	—	—	
	Mail send function		●	—	—	—	●	
	Network drive function <b>NEW</b>		●	—	—	—	●	
	FTP server function	(SD memory card or USB memory)	●	●	● <sup>*15</sup>	●	—	
	File transfer function (FTP transfer)	SD memory card or USB memory	●	●	● <sup>*15</sup>	●	—	
	File transfer function (GOT internal transfer)	SD memory card or USB memory	●	●	—	—	—	
	MES interface function	License, (SD memory card)	●	—	—	—	—	
	Wireless LAN function	Wireless LAN communication unit	—	—	—	—	—	
	USB mouse, USB keyboard		●	●	—	●	●	
	GOT functions	Base screen		●	●	●	●	●
		Overlap window		●	●	●	●	●
		Superimpose window		●	●	●	●	●
Dialog window			●	●	●	●	●	
Mobile screen			●	—	—	—	—	
Key window			●	●	●	●	●	
Language switching			●	●	●	●	●	
System information			●	●	●	●	●	
Operator authentication function		(SD memory card or USB memory)	●	●	● <sup>*16</sup>	●	●	
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	●	●	● <sup>*6</sup>	●	—	
Multi-channel function			● <sup>*19</sup> 4 channels (No units can be mounted)	● 2 channels (No units can be mounted)	● <sup>*6</sup> 2 channels (No units can be mounted)	● 2 channels (No units can be mounted)	—	
Station No. switching			●	●	—	—	●	
GOT network interaction			●	●	—	—	●	
Screen gesture function			—	—	—	—	—	
Object gesture function			—	—	—	—	—	
Security key authentication function			●	●	—	—	—	
IP filter function			●	●	●	●	—	
File manager		(SD memory card or USB memory)	●	●	—	—	—	
Vertical display <sup>*5</sup>		—	● (Rotate 90° to left)	● (Rotate 90° to right)	● (Rotate 90° to left)	—		
Maintenance functions	Device monitor	(SD memory card or USB memory)	●	●	●	●	—	
	Sequence program monitor (IQ-R ladder)	SD memory card or USB memory	●	—	—	—	—	
	Sequence program monitor (Ladder)	SD memory card or USB memory	●	—	—	—	—	
	Sequence program monitor (SFC)	SD memory card or USB memory	●	—	—	—	—	
	Network monitor		●	—	—	—	—	
	CC-Link IE Field Network diagnostics <b>NEW</b>		●	—	—	—	—	
	Intelligent module monitor		●	—	—	—	—	
	Drive recorder	(SD memory card or USB memory)	●	—	—	—	—	
	Servo amplifier graph <b>NEW</b>	(SD memory card or USB memory)	●	—	—	—	—	
	Motion program editor <b>NEW</b>		—	—	—	—	—	
	Motion program I/O <b>NEW</b>	SD memory card or USB memory	—	—	—	—	—	
	Servo amplifier monitor		●	—	—	—	—	
	R motion monitor		●	—	—	—	—	
	Q motion monitor		●	—	—	—	—	
	Motion SFC monitor	SD memory card or USB memory	●	—	—	—	—	
	CNC monitor 2 <b>NEW</b>		●	—	—	—	—	
	CNC monitor		—	—	—	—	—	
	CNC data I/O	SD memory card or USB memory	—	—	—	—	—	
	CNC machining program edit		—	—	—	—	—	
	Log viewer	(SD memory card or USB memory)	●	—	—	—	—	
	FX list editor		●	●	● <sup>*7</sup>	●	—	
	FX ladder monitor		●	—	—	—	—	
	iQSS utility	SD memory card or USB memory	●	—	—	—	—	
System launcher		●	●	—	—	—		
System launcher (servo network) <b>NEW</b>		●	—	—	—	—		
MELSEC-L troubleshooting		●	—	—	—	—		

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

<sup>\*10</sup> GT2715-XTBA, GT2715-XTBD, GT2712-STBA, GT2712-STBD, GT2712-STWA, GT2712-STWD only.

<sup>\*11</sup> For the applicable communication units and option units, please refer to "Product list" (page 55) and the relevant product manual.

<sup>\*12</sup> Use the standard interface of the personal computer.

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

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

<sup>\*15</sup> GT2104-RTBD, GT2103-PMBD only.

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

<sup>\*17</sup> Excluding GT2505-VTBD.




<sup>\*18</sup> GT25 wide and GT25 rugged models have a built-in sound output interface so that the sound output unit is not required.

<sup>\*19</sup> GT2505HS-VTBD supports the function with Ethernet connection only.

# Specifications

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

## Specification list

Category	GT27 model						
	Standard model				White model		
	GT2715-XTBA	GT2715-XTBD	GT2712-STBA	GT2712-STBD	GT2712-STWA	GT2712-STWD	
							
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 interface	●		●		●		
Extension interface, Side interface, Wireless LAN communication unit 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, EAC, KC		CE, UL, cUL, EAC, KC		CE, UL, cUL, Class I Division 2, EAC, KC CE, ATEX *14, UL, cUL, Class I Division 2, EAC, KC, KCs *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 *8	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 the relevant product 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 (GT21-03SDCCD), sold separately, needs to be mounted.

\*5 The dimension when the SD memory card unit (GT21-03SDCCD) is mounted is 113(W) × 74(H) × 32(D) mm (4.45(W) × 2.91(H) × 1.26(D) inch).

\*6 For the list of other manufacturers, please refer to page 27. For the details of connectable models and system configurations, please refer to the relevant product manual.



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

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



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

●: Supported —: Not supported

GT27 model							
Standard model				White model		Standard 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, EAC, KC		CE, UL, cUL, EAC, KC		CE, UL, cUL, Class I Division 2, EAC, KC		CE, ATEX *14, UL, cUL, Class I Division 2, EAC, KC, KCs *14	
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%)	
50 Hz/60 Hz (±5%)		—		50 Hz/60 Hz (±5%)		—	
●		●		●		●	
●		●		●		●	
●		●		●		●	
●		●		●		●	
●		●		●		●	

\*9 The suffix "F" of IP67F, IP66F, or IP65F 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 57 and page 58.

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

For inquiries relating to the latest status of GOTs conforming to various standards and laws (CE, ATEX, UL/cUL, Class 1 Division 2, EAC, KC, KCs, and maritime certifications [ABS/BV/DNV GL/LR/NK/RINA]), please contact your local sales office.

## Specification list

Category	GT27 model			GT25 model	
	Standard model			Standard model	
	GT2708-VTBA	GT2708-VTBD	GT2705-VTBD	GT2512-STBA	GT2512-STBD
					
Panel color	Black			Black	
Display device	TFT color LCD 65536 colors			TFT color LCD 65536 colors	
Screen size	8.4"			12.1"	
Resolution	VGA: 640 × 480 dots			SVGA: 800 × 600 dots	
Display size (W × H)	170.9 × 128.2 mm (6.73 × 5.05 inch)			246 × 184.5 mm (9.69 × 7.26 inch)	
Backlight	White LED (not replaceable)			White LED (not replaceable)	
Backlight life *1	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	
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)	
USB (device: USB Mini-B)	● 1 channel (front face)			● 1 channel (front face)	
SD memory card interface	●			●	
Extension interface, Side interface, Wireless LAN communication unit 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	
Safety standards, Radio laws	CE, UL, cUL, EAC, KC			CE, UL, cUL, EAC, 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)			316 × 246 × 52 mm (12.44 × 9.69 × 2.05 inch)	
Panel cut dimensions (W × H)	227 × 176 mm (8.94 × 6.93 inch)			302 × 228 mm (11.89 × 8.98 inch)	
Weight (excluding a fitting)	1.5 kg (3.3 lb)			2.4 kg (5.3 lb)	
Operating ambient temperature *10	0 °C to 55 °C *11			0 °C to 55 °C *12	
Storage ambient temperature	-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	
Storage ambient humidity	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 *9	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 the relevant product 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 (GT21-03SDCCD), sold separately, needs to be mounted.

\*5 The dimension when the SD memory card unit (GT21-03SDCCD) is mounted is 113(W) × 74(H) × 32(D) mm (4.45(W) × 2.91(H) × 1.26(D) inch).





\*6 For the list of other manufacturers, please refer to page 27. For the details of connectable models and system configurations, please refer to the relevant product manual.

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

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

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

●: Supported —: Not supported

GT25 model							
Open frame model		Standard model		White model		Open frame model	
GT2512F-STNA	GT2512F-STND	GT2510-VTBA	GT2510-VTBD	GT2510-VTWA	GT2510-VTWD	GT2510F-VTNA	GT2510F-VTND
							
—		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, EAC, KC		CE, UL, cUL, EAC, KC		CE, UL, cUL, Class I Division 2, EAC, KC		CE, ATEX *14, UL, cUL, Class I Division 2, EAC, KC, KCs *14	
—		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%)	
50 Hz/60 Hz (±5%)		—		50 Hz/60 Hz (±5%)		—	
●		●		●		●	
●		●		●		●	
●		●		●		●	
●		●		●		●	
●		●		●		●	

\*9 The suffix "F" of IP67F, IP66F, or IP65F 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 57 and page 58.

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

# Specifications

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

## Specification list

Category	GT25 model						
	Standard model		White model		Open frame model		
	GT2508-VTBA	GT2508-VTBD	GT2508-VTWA	GT2508-VTWD	GT2508F-VTNA	GT2508F-VTND	
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 interface	●		●		●		
Extension interface, Side interface, Wireless LAN communication unit 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, EAC, KC		CE, UL, cUL, Class I Division 2, EAC, KC		CE, ATEX *14, UL, cUL, Class I Division 2, EAC, KC, KCs *14		
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 *8	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 the relevant product 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 list of other manufacturers, please refer to page 27. For the details of connectable models and system configurations, please refer to the relevant product manual.

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

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



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

●: Supported —: Not supported

GT25 model			
Standard model	Widescreen model		
GT2505-VTBD	GT2510-WXTBD	GT2510-WXTSD	GT2507-WTBD
			
<b>NEW</b>	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>
Black	Black	Silver *15	Black
TFT color LCD 65536 colors	TFT color LCD 65536 colors	TFT color LCD 65536 colors	TFT color LCD 65536 colors
5.7"	10.1" widescreen	10.1" widescreen	7" widescreen
VGA: 640 × 480 dots	WXGA: 1280 × 800 dots	WXGA: 1280 × 800 dots	WVGA: 800 × 480 dots
115.2 × 86.4 mm (4.54 × 3.40 inch)	216.96 × 135.6 mm (8.54 × 5.34 inch)	216.96 × 135.6 mm (8.54 × 5.34 inch)	152.40 × 91.44 mm (6.00 × 3.60 inch)
White LED (not replaceable)	White LED (not replaceable)	White LED (not replaceable)	White LED (not replaceable)
Approx. 60000 h	Approx. 50000 h	Approx. 50000 h	Approx. 50000 h
—	—	—	—
—	—	—	—
Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB	Memory for storage (ROM): 32 MB Memory for operation (RAM): 128 MB	Memory for storage (ROM): 32 MB Memory for operation (RAM): 128 MB	Memory for storage (ROM): 32 MB Memory for operation (RAM): 128 MB
●	●	●	●
●	●	●	●
●	2 channels	2 channels	2 channels
●	●	●	●
1 channel (rear face)	1 channel (rear face)	1 channel (rear face)	1 channel (rear face)
●	●	●	●
1 channel (front face)	1 channel (front face)	1 channel (front face)	1 channel (front face)
●	●	●	●
—	Wireless LAN communication unit can be installed.		
Front: IP67F *7*9 Inside control panel: IP2X	Front: IP67F *7*9 Inside control panel: IP2X	Front: IP67F *7*9 Inside control panel: IP2X	Front: IP67F *7*9 Inside control panel: IP2X
CE, UL, cUL, EAC, KC	CE, UL, cUL, EAC, KC	CE, UL, cUL, EAC, KC	CE, UL, cUL, EAC, 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
164 × 139 × 53.5 mm (6.46 × 5.47 × 2.11 inch)	252 × 194 × 48 mm (9.92 × 7.64 × 1.89 inch)	252 × 194 × 48 mm (9.92 × 7.64 × 1.89 inch)	189 × 142 × 48 mm (7.44 × 5.59 × 1.89 inch)
153 × 121 mm (6.02 × 4.76 inch)	243.5 × 185.5 mm (9.59 × 7.30 inch)	243.5 × 185.5 mm (9.59 × 7.30 inch)	180.5 × 133.5 mm (7.11 × 5.26 inch)
0.6 kg (1.3 lb)	1.2 kg (2.6 lb)	1.2 kg (2.6 lb)	0.75 kg (1.7 lb)
0 °C to 55 °C (horizontal installation), 0 °C to 50 °C (vertical installation)	0 °C to 55 °C	0 °C to 55 °C	0 °C to 55 °C
-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 *13	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 *13	10% RH to 90% RH, non-condensing	10% RH to 90% RH, non-condensing	10% RH to 90% RH, non-condensing
24 V DC (+10%, -15%)	24 V DC (+25%, -20%)	24 V DC (+25%, -20%)	24 V DC (+25%, -20%)
—	—	—	—
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●

\*9 The suffix "F" of IP67F, IP66F, or IP65F 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 57 and page 58.

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

# Specifications

For inquiries relating to the latest status of GOTs conforming to various standards and laws (CE, ATEX, UL/cUL, Class 1 Division 2, EAC, KC, KCs, and maritime certifications [ABS/BV/DNV GL/LR/NK/RINA]), please contact your local sales office.

## Specification list

Category	GT25 model		
	Widescreen model	Rugged model	Handy GOT
	GT2507-WTSD	GT2507T-WTSD	GT2506HS-VTBD
			
	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>
Panel color	Silver *15	Silver	Black
Display device	TFT color LCD 65536 colors	TFT color LCD 65536 colors	TFT color LCD 65536 colors
Screen size	7" widescreen	7" widescreen	6.5"
Resolution	WVGA: 800 × 480 dots	WVGA: 800 × 480 dots	VGA: 640 × 480 dots
Display size (W × H)	152.40 × 91.44 mm (6.00 × 3.60 inch)	152.40 × 91.44 mm (6.00 × 3.60 inch)	132.5 × 99.4 mm (5.22 × 3.91 inch)
Backlight	White LED (not replaceable)	White LED (not replaceable)	White LED (not replaceable)
Backlight life *1	Approx. 50000 h	Approx. 50000 h	Approx. 40000 h
Touch panel simultaneous press (2 points)	—	—	—
Human sensor	—	—	—
User memory	Memory for storage (ROM): 32 MB Memory for operation (RAM): 128 MB	Memory for storage (ROM): 32 MB Memory for operation (RAM): 128 MB	Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB
RS-232 interface	●	●	(Select one channel from either RS-232 or RS-422/485)
RS-422/485 interface	●	●	(Select one channel from either RS-232 or RS-422/485)
Ethernet interface	● 2 channels	● 2 channels	●
USB (host: USB-A)	● 1 channel (rear face)	● 1 channel (rear face)	● 1 channel (top face)
USB (device: USB Mini-B)	● 1 channel (front face)	● 1 channel (rear face)	● 1 channel (top face)
SD memory card interface	●	●	●
Extension interface, Side interface, Wireless LAN communication unit interface *2	Wireless LAN communication unit can be installed.		—
Protective structure *3	Front: IP67F *7*9 Inside control panel: IP2X	Front: IP66F *9, IP67F *9 Inside control panel: IP2X	IP65F *9 (When an external cable is connected. The rating is not applied to the relay connector side of the external cable.)
Safety standards, Radio laws	CE, UL, cUL, EAC, KC	CE, UL, cUL, EAC, KC	CE, UL, cUL, EAC, KC
Maritime certifications	ABS/BV/DNV GL/LR/NK/RINA	ABS/BV/DNV GL/LR/NK/RINA	—
External dimensions (W × H × D)	189 × 142 × 48 mm (7.44 × 5.59 × 1.89 inch)	214 × 158 × 55 mm (8.43 × 6.22 × 2.17 inch)	201 × 230 × 97 mm (7.91 × 9.06 × 3.82 inch) (excluding projections such as the emergency stop switch)
Panel cut dimensions (W × H)	180.5 × 133.5 mm (7.11 × 5.26 inch)	197 × 141 mm (7.76 × 5.55 inch)	—
Weight (excluding a fitting)	0.75 kg (1.7 lb)	1.2 kg (2.6 lb)	1.2 kg (2.6 lb)
Operating ambient temperature *10	0 °C to 55 °C	-20 °C to 65 °C	0 °C to 40 °C
Storage ambient temperature	-20 °C to 60 °C	-30 °C to 75 °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	24 V DC (+25%, -20%)	24 V DC (+25%, -20%)	24 V DC (+10%, -15%)
Power supply frequency	—	—	—
Controller connection *9	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 the relevant product 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 list of other manufacturers, please refer to page 27. For the details of connectable models and system configurations, please refer to the relevant product manual.

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

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

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

●: Supported —: Not supported

GT25 model	GT23 model			
Handy GOT	Standard model			
GT2505HS-VTBD	GT2310-VTBA	GT2310-VTBD	GT2308-VTBA	GT2308-VTBD
 <b>NEW</b>				
Black	Black		Black	
TFT color LCD 65536 colors	TFT color LCD 65536 colors		TFT color LCD 65536 colors	
5.7"	10.4"		8.4"	
VGA: 640 × 480 dots	VGA: 640 × 480 dots		VGA: 640 × 480 dots	
115.2 × 86.4 mm (4.54 × 3.40 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)	
Approx. 60000 h	Approx. 50000 h		Approx. 50000 h	
—	—		—	
—	—		—	
Memory for storage (ROM): 32 MB Memory for operation (RAM): 80 MB	Memory for storage (ROM): 9 MB Memory for operation (RAM): 9 MB		Memory for storage (ROM): 9 MB Memory for operation (RAM): 9 MB	
● (Select one channel from RS-232, RS-422, or Ethernet)	●		●	
● (Select one channel from RS-232, RS-422, or Ethernet)	●		●	
● (Select one channel from RS-232, RS-422, or Ethernet)	●		●	
● 1 channel (top face)	● 1 channel (rear face)		● 1 channel (rear face)	
● 1 channel (top face)	● 1 channel (rear face)		● 1 channel (rear face)	
●	●		●	
—	—		—	
IP65F <sup>*9</sup> (When an external cable is connected. The rating is not applied to the relay connector side of the external cable.)	Front: IP67F <sup>*9</sup> Inside control panel: IP2X		Front: IP67F <sup>*9</sup> Inside control panel: IP2X	
CE, UL, cUL, EAC, KC	CE, UL, cUL, EAC, KC		CE, UL, cUL, EAC, KC	
—	—		—	
145 × 185 × 79.3 mm (5.71 × 7.28 × 3.12 inch) (excluding projections such as the emergency stop switch)	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)	
0.79 kg (1.7 lb)	1.9 kg (4.2 lb)		1.5 kg (3.3 lb)	
0 °C to 40 °C	0 °C to 55 °C		0 °C to 55 °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 <sup>*13</sup>		10% RH to 90% RH, non-condensing <sup>*13</sup>	
10% RH to 90% RH, non-condensing	10% RH to 90% RH, non-condensing <sup>*13</sup>		10% RH to 90% RH, non-condensing <sup>*13</sup>	
24 V DC (+10%, -15%)	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, IP66F, or IP65F 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 57 and page 58.

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

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

## Specification list

Category	GT21 model	GT21 model		
	Standard model	Standard model		
	GT2104-RTBD	GT2103-PMBD	GT2103-PMBDS	
				
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"	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 interface	●	● *4	● *4	
Extension interface, Side interface, Wireless LAN communication unit 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, EAC, KC	CE, UL, cUL, EAC, KC	CE, UL, cUL, EAC, 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)	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 the relevant product 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 (GT21-03SDCCD), sold separately, needs to be mounted.

\*5 The dimension when the SD memory card unit (GT21-03SDCCD) is mounted is 113(W) × 74(H) × 32(D) mm (4.45(W) × 2.91(H) × 1.26(D) inch).

\*6 For the list of other manufacturers, please refer to page 27. For the details of connectable models and system configurations, please refer to the relevant product manual.





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

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



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

●: Supported —: Not supported

GT21 model			
Standard model		Widescreen model	
GT2103-PMBDS2	GT2103-PMBLS	GT2107-WTBD	GT2107-WTSD
			
		<b>NEW</b>	<b>NEW</b>
Black	Black	Black	Silver <sup>*15</sup>
TFT monochrome (black/white) LCD 32 shade grayscale	TFT monochrome (black/white) LCD 32 shade grayscale	TFT color LCD 65536 colors	TFT color LCD 65536 colors
3.8"	3.8"	7" widescreen	7" widescreen
320 × 128 dots	320 × 128 dots	WVGA: 800 × 480 dots	WVGA: 800 × 480 dots
89.0 × 35.6 mm (3.50 × 1.40 inch)	89.0 × 35.6 mm (3.50 × 1.40 inch)	152.40 × 91.44 mm (6.00 × 3.60 inch)	152.40 × 91.44 mm (6.00 × 3.60 inch)
5-color LED (white, green, pink, orange, red) (not replaceable)	5-color LED (white, green, pink, orange, red) (not replaceable)	White LED (not replaceable)	White LED (not replaceable)
Approx. 50000 h	Approx. 50000 h	Approx. 50000 h	Approx. 50000 h
—	—	—	—
—	—	—	—
Memory for storage (ROM): 3 MB	Memory for storage (ROM): 3 MB	Memory for storage (ROM): 15 MB	Memory for storage (ROM): 15 MB
● (2 channels)	—	●	●
—	● (RS-422 only)	●	●
—	—	●	●
—	—	●	●
●	●	1 channel (rear face)	1 channel (rear face)
1 channel (rear face)	1 channel (rear face)	●	●
● *4	—	1 channel (front face)	1 channel (front face)
—	—	●	●
—	—	—	—
Front: IP67F <sup>*9</sup> Inside control panel: IP2X	Front: IP67F <sup>*9</sup> Inside control panel: IP2X	Front: IP67F <sup>*7*9</sup> Inside control panel: IP2X	Front: IP67F <sup>*7*9</sup> Inside control panel: IP2X
CE, UL, cUL, EAC, KC	CE, UL, cUL, EAC, KC	CE, UL, cUL, EAC, KC	CE, UL, cUL, EAC, KC
ABS/BV/DNV GL/LR/NK/RINA	—	—	—
113 × 74 × 27 mm <sup>*5</sup> (4.45 × 2.91 × 1.06 inch)	113 × 74 × 27 mm (4.45 × 2.91 × 1.06 inch)	189 × 142 × 48 mm (7.44 × 5.59 × 1.89 inch)	189 × 142 × 48 mm (7.44 × 5.59 × 1.89 inch)
105 × 66 mm (4.13 × 2.60 inch)	105 × 66 mm (4.13 × 2.60 inch)	180.5 × 133.5 mm (7.11 × 5.26 inch)	180.5 × 133.5 mm (7.11 × 5.26 inch)
0.2 kg (0.44 lb)	0.18 kg (0.40 lb)	0.7 kg (1.54 lb)	0.7 kg (1.54 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)	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	-20 °C to 60 °C	-20 °C to 60 °C
10% RH to 90% RH, non-condensing <sup>*13</sup>	10% RH to 90% RH, non-condensing <sup>*13</sup>	10% RH to 90% RH, non-condensing <sup>*13</sup>	10% RH to 90% RH, non-condensing <sup>*13</sup>
10% RH to 90% RH, non-condensing <sup>*13</sup>	10% RH to 90% RH, non-condensing <sup>*13</sup>	10% RH to 90% RH, non-condensing <sup>*13</sup>	10% RH to 90% RH, non-condensing <sup>*13</sup>
24 V DC (+10%, -15%)	5 V DC (+5%, -5%) Power from the programmable controller	24 V DC (+10%, -15%)	24 V DC (+10%, -15%)
—	—	—	—
●	● (FXCPU only)	●	●
●	—	●	●
●	—	●	●
●	—	●	●
●	—	●	●

<sup>\*9</sup> The suffix "F" of IP67F, IP66F, or IP65F is a symbol that indicates protection rate against oil. It is described in the Appendix of Japanese Industrial Standard JIS C 0920.

<sup>\*10</sup> The operating ambient temperature includes the temperature inside the enclosure of the control panel to which the GOT is installed.

<sup>\*11</sup> 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).

<sup>\*12</sup> 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).

<sup>\*13</sup> If the ambient temperature exceeds 40 °C, the absolute humidity must not exceed 90% RH at 40 °C.

<sup>\*14</sup> 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 57 and page 58.

<sup>\*15</sup> The lower part of the panel including the USB environmental protection cover is black.

# Product List

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

## 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 *1				24 V DC		
	GT2710	GT2710-STBA	10.4" SVGA		Black	100 V AC to 240 V AC		
		GT2710-STBD	10.4" VGA			24 V DC		
		GT2710-VTBA			100 V AC to 240 V AC			
		GT2710-VTBD			24 V DC			
		GT2710-VTWA	White		100 V AC to 240 V AC			
	GT2710-VTWD *1	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			—	100 V AC to 240 V AC		
		GT2512F-STND				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 *1				24 V DC		
		GT2510F-VTNA			—	100 V AC to 240 V AC		
		GT2510F-VTND				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 *1				24 V DC		
		GT2508F-VTNA			—	100 V AC to 240 V AC		
		GT2508F-VTND				24 V DC		
	GT2505	GT2505-VTBD	5.7" VGA		Black	24 V DC		—
	GT25 Wide	GT2510	GT2510-WXTBD		10.1" WXGA	TFT color 65536 colors		Black
GT2510-WXTSD			Silver *2					
GT2507-VTBD		Black	24 V DC					
GT2507-WTSD		Silver *2						
GT25 Rugged	GT2507	GT2507T-WTSD	7" WVGA	Silver	24 V DC		Rugged model	
GT25 Handy	GT2506	GT2506HS-VTBD	6.5" VGA	Black	24 V DC		Handy GOT	
	GT2505	GT2505HS-VTBD	5.7" VGA		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" [480 × 272 dots]	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)
GT21 Wide	GT2107	GT2107-VTBD	7" WVGA		Black		24 V DC	Wide model
GT2107-WTSD	Silver *2							

\*1 To comply with the ATEX directive and KCs regulation, protective sheet (GT25-□□PSCC-UC) and special fitting (GT25-□□FIT-EXS) in the "Options" list (page 57) are required separately. (Only protective sheet is required for GT2508-VTWD.) Communication units and option units cannot be used. When using these units, GOT does not conform to the standards. For the details, please refer to the Technical Bulletin "GOT2000 Series in Compliance with the ATEX Directive and KCs Certification Requirements" (No. GOT-A-0101).

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

## GOT + CC-Link IE Field Network communication unit sets

Classification	Model	Screen size	Display section Display color	Panel color	Power	Remarks	
GT27	GT2715	GT2715-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	10.4" VGA			24 V DC	
		GT2710-VTBA-GF			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		

GOT + CC-Link IE Field Network communication unit sets

Classification		Model	Screen size	Display section Display color	Panel color	Power	Remarks
GT27	GT2708	GT2708-STBA-GF	8.4" SVGA	TFT color 65536 colors	Black	100 V AC to 240 V AC	GOT + GT15-J71GF13-T2
		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			
	GT25	GT2512	12.1" SVGA	TFT color 65536 colors	Black	100 V AC to 240 V AC	
GT2512-STBD-GF						24 V DC	
GT2510		10.4" VGA	Black			100 V AC to 240 V AC	
						GT2510-VTBD-GF	24 V DC
	GT2508	8.4" VGA	Black	100 V AC to 240 V AC			
				GT2508-VTBD-GF	24 V DC		
GT2508	8.4" VGA	White	100 V AC to 240 V AC				
			GT2508-VTWD-GF	24 V DC			

Communication units

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

- \*1 May not be able to be used depending on the connection target. For details, please refer to the GOT2000 Series Connection Manual.
- \*2 Cannot be used when connected with temperature controllers or indicating controllers by RS-485 (2-wire type) connection.
- \*3 Cannot be stacked with other units.
- \*4 The unit should be used with an Anybus® CompactCom M40 network communication module manufactured by HMS. Please purchase the module by specifying the article number.

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

- \*5 Data transfer in wireless LAN communication may not be as stable as that in cable communication. A packet loss may occur depending on the surrounding environment and the installation location. Be sure to perform a confirmation of operation before using this product.
- \*6 When [Operation Mode] is set to [Access Point] in [Wireless LAN Setting] of GT Designer3, up to five stations are connectable.
- \*7 The product with hardware version A or later complies with the regulation. The product with hardware version A can be used only in Japan.
- \*8 The product with hardware version B or later complies with the regulation. The product with hardware version B or later can be used in Japan, the United States, the EU member states, Switzerland, Norway, Iceland, and Liechtenstein.
- \*9 The product with hardware version D or later complies with the regulation. The product with hardware version D or later can be used in Japan, the United States, the EU member states, Switzerland, Norway, Iceland, Liechtenstein, China (excluding Hong Kong, Macau, Taiwan), and South Korea.
- \*10 Available to GT2104-RTBD, GT2103-PMBD, and GT2103-PMBDS.
- \*11 Not available to GT2505-VTBD, GT2506HS-VTBD, and GT2505HS-VTBD.
- \*12 Only available to GT2505-VTBD.
- \*13 The product complies with the RE Directive from March 31, 2017.

Communication units for GT25 Handy GOT **NEW**

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

- \*1 Usable only when a connector conversion box is used.

# Product List

## Option units

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

\*1 Not available to GT2705-VTBD.

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

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

\*4 Not available to GT2505-VTBD.

\*5 Production will be discontinued in September 2019.

## Software

Product name	Model	Description	Supported model							
			GT27	GT25	GT25 Wide	GT25 Rugged	GT25 Handy	GT23	GT21	GT21 Wide
HMI/GOT Screen Design Software MELSOFT GT Works3	SW1DND-GTWK3-E	Standard license product	●	●	●	●	●	●	●	●
	SW1DND-GTWK3-EA	Volume license product <sup>**9</sup>	●	●	●	●	●	●	●	●
	SW1DND-GTWK3-EAZ	Additional license product <sup>**6</sup>	●	●	●	●	●	●	●	●
FA Integrated Engineering Software MELSOFT iQ Works <sup>**3</sup>	SW2DND-IQWK-E	Standard license product	●	●	●	●	●	●	●	●
GT Works Text to Speech License <sup>**7</sup>	SW1DND-GTVO-M <b>NEW</b>	Standard license product	●	● <sup>*8</sup>	●	●	—	—	—	—
GT Works3 Add-on License for GOT2000 Enhanced Drive Control (Servo) Project Data <sup>**10</sup>	SW1DND-GTSV-MZ <b>NEW</b>	Standard license product	●	●	●	●	●	—	—	—
License key for GT SoftGOT2000 <sup>**4</sup>	GT27-SGTKEY-U	USB port license key	—	—	—	—	—	—	—	—
Remote Personal Computer Operation Function (Ethernet) License <sup>**5</sup>	GT25-PCRAKEY-1	1 license	●	●	●	●	●	—	—	—
	GT25-PCRAKEY-5	5 licenses	●	●	●	●	●	—	—	—
	GT25-PCRAKEY-10	10 licenses	●	●	●	●	●	—	—	—
	GT25-PCRAKEY-20	20 licenses	●	●	●	●	●	—	—	—
VNC Server Function License <sup>**5</sup>	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 <sup>**5</sup>	GT25-MESIFKEY-1	1 license	●	●	●	●	●	—	—	—
	GT25-MESIFKEY-5	5 licenses	●	●	●	●	●	—	—	—
	GT25-MESIFKEY-10	10 licenses	●	●	●	●	●	—	—	—
	GT25-MESIFKEY-20	20 licenses	●	●	●	●	●	—	—	—
GOT Mobile Function License <sup>**5</sup>	GT25-WEBSKEY-1	1 license	●	●	●	●	●	—	—	—
	GT25-WEBSKEY-5	5 licenses	●	●	●	●	●	—	—	—
	GT25-WEBSKEY-10	10 licenses	●	●	●	●	●	—	—	—
	GT25-WEBSKEY-20	20 licenses	●	●	●	●	●	—	—	—

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

\*2 Volume license product and additional license product are also available. For more details, please refer to the MELSOFT iQ Works catalog (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 ToolBox3<sup>\*</sup>]
- C Controller Setting and Monitoring Tool [MELSOFT CW Configurator]
- 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]
- Servo Setup Software [MELSOFT MR Configurator2]

\* RT ToolBox3 mini (simplified version) will be installed if iQ Works product ID is used. When RT ToolBox3 (with simulation function) is required, please purchase RT ToolBox3.

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

\*5 1 license is required for 1 GOT unit.

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

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

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

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

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



Application package

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

\*1 Contents Publisher, project file of the GOT for iQ Monozukuri ANDON (template screens), GOT Mobile function license, and the iQ Monozukuri ANDON license are included.

Options

Product name	Model	Specifications	Supported model						
			GT27	GT25	GT25 Wide	GT25 Rugged	GT23	GT21	GT21 Wide
Protective sheet *1	GT27-15PSGC	For 15"	●	—	—	—	—	—	—
	GT25-12PSGC	For 12.1"	●	●	—	—	—	—	—
	GT25-10PSGC	For 10.4"	●	●	—	—	—	—	—
	GT25-08PSGC	For 8.4"	●	●	—	—	—	—	—
	GT25-05PSGC	For 5.7"	●	—	—	—	—	—	—
	GT25-05PSGC-2	NEW For 5.7"	—	●	—	—	—	—	—
	GT25-10WPSGC	NEW For 10.1" wide models	—	—	●	—	—	—	—
	GT21-07WPSGC	NEW For 7" wide models	—	—	●	—	—	—	●
	GT27-15PSCC	For 15"	●	—	—	—	—	—	—
	GT25-12PSCC	For 12.1"	●	●	—	—	—	—	—
	GT25-10PSCC	For 10.4"	●	●	—	—	—	—	—
	GT25-08PSCC	For 8.4"	●	●	—	—	—	—	—
	GT25-05PSCC	For 5.7"	●	—	—	—	—	—	—
	GT25-05PSCC-2	NEW For 5.7"	—	●	—	—	—	—	—
	GT25-10WPSCC	NEW For 10.1" wide models	—	—	●	—	—	—	—
	GT21-07WPSCC	NEW For 7" wide models	—	—	●	—	—	—	●
	GT25-12PSCC-UC *9	For 12.1"	● *9	●	—	—	—	—	—
	GT25-10PSCC-UC *9	For 10.4"	● *9	● *9	—	—	●	—	—
GT25-08PSCC-UC *9	For 8.4"	●	● *9	—	—	●	—	—	
GT21-04RPSGC-UC	For 4.3"	● Antiglare type ● Transparent ● Without a hole for the USB environmental protection cover ● A set of 5 sheets	—	—	—	—	—	●	—
GT21-03PSGC-UC	For 3.8"	● Antiglare type ● Transparent ● Without a hole for the USB environmental protection cover ● A set of 5 sheets	—	—	—	—	—	●	—
GT21-04RPSCC-UC	For 4.3"	● Clear type ● Transparent ● Without a hole for the USB environmental protection cover ● A set of 5 sheets	—	—	—	—	—	●	—
GT21-03PSCC-UC	For 3.8"	● Clear type ● Transparent ● Without a hole for the USB environmental protection cover ● A set of 5 sheets	—	—	—	—	—	●	—
UV protective sheet (for the rugged model)	GT25T-07WPSVC	NEW For 7" rugged model	—	—	—	●	—	—	—
Environmental protection sheet (for the open frame model)	GT25F-12ESGS	For 12.1"	—	● *7	—	—	—	—	—
	GT25F-10ESGS	For 10.4"	—	● *7	—	—	—	—	—
	GT25F-08ESGS	For 8.4"	—	● *7	—	—	—	—	—
USB environmental protection cover	GT25-UCOV	For 15"/12.1"/10.4"/8.4"	●	●	—	—	—	—	—
	GT25-05UCOV	For 5.7"	●	—	—	—	—	—	—
	GT21-WUCOV	NEW For 10.1" wide models/7" wide models/5.7"	—	●	●	—	—	—	●
Protective cover for oil *3	GT20-15PCO	For 15"	●	—	—	—	—	—	—
	GT20-12PCO	For 12.1"	●	●	—	—	—	—	—
	GT20-10PCO	For 10.4"	●	●	—	—	●	—	—
	GT21-10WPCO	NEW For 10.1" wide models	—	—	●	—	—	—	—
	GT20-08PCO	For 8.4"	●	●	—	—	●	—	—
	GT21-07WPCO	NEW For 7" wide models	—	—	●	—	—	—	●
	GT25T-07WPCO	NEW For 7" rugged model	—	—	—	●	—	—	—
	GT25-05PCO	For 5.7"	●	—	—	—	—	—	—
	GT25-05PCO-2	NEW For 5.7"	—	●	—	—	—	—	—
	GT21-04RPCO	For 4.3"	—	—	—	—	—	●	—
GT10-20PCO	For 3.8"	—	—	—	—	—	●	—	
Stand	GT15-90STAND	For 15"	●	—	—	—	—	—	—
	GT15-80STAND	For 12.1"	●	●	—	—	—	—	—
	GT15-70STAND	For 10.4"/8.4"	●	●	—	—	●	—	—
	GT25-10WSTAND	NEW For 10.1" wide models	—	—	●	—	—	—	—
	GT21-07WSTAND	NEW For 7" wide models	—	—	●	—	—	—	●
	GT25T-07WSTAND	NEW For 7" rugged model	—	—	—	●	—	—	—
GT05-50STAND	For 5.7"	●	●	—	—	—	—	—	

## Options

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

- \*1 The white model does not have the front USB interface. It is recommended to use the products that the USB environmental protection cover area is closed.
- \*2 When using the product with the USB environmental protection cover area closed, the front USB interface cannot be used.
- \*3 Check if the protective cover for oil can be used in the actual environment before use. When using the cover, the front USB interface and human sensor cannot be used.
- \*4 Including the GP250□ and GP260□ manufactured by Digital Electronics Corporation.
- \*5 GT2103-PMBD, GT2103-PMBDS, GT2103-PMBDS2, and GT2103-PMBLS do not have a built-in battery.
- \*6 GT21 does not support the system status log data backup function.
- \*7 GT2512F-STNA, GT2512F-STND, GT2510F-VTNA, GT2508F-VTNA, and GT2508F-VTND only.
- \*8 Only available to GT2104-RTBD.
- \*9 Necessary for the GOT to comply with the ATEX directive and KCs regulation. For applicable GOT models, please refer to the Mitsubishi Electric Factory Automation Global website ([www.MitsubishiElectric.com/fa](http://www.MitsubishiElectric.com/fa)).
- \*10 The protective sheet is shaped not to cover the USB environmental protection cover.
- \*11 An attachment is usable when the control panel has a thickness of 2 to 3 mm. When an attachment is used, the GOT is not IP67F-rated.
- \*12 Cannot be used with GT2506HS-VTBD.

## Options for GT25 Handy GOT **NEW**

Product name	Model	Specifications	Supported model	
			GT2506 Handy	GT2505 Handy
Protective sheet	GT16H-60PSC	For 6.5"	●	—
	GT14H-50PSC	For 5.7"	—	●
Emergency stop switch guard cover	GT16H-60ESCOV	For 6.5"	●	—
	GT14H-50ESCOV	For 5.7"	—	●
Connector conversion box	GT16H-CNB-42S	For converting the Handy GOT signals into individual signals for the terminal block, D-sub connector, and Ethernet RJ-45.	●	●*11
	GT16H-CNB-37S	For converting the Handy GOT signals into individual signals for the terminal block and Ethernet RJ-45.	●	●
	GT11H-CNB-37S	For converting the Handy GOT signals into individual signals for the terminal block and D-sub connector.	—	●
Wall-mounting attachment for Handy GOT	GT14H-50ATT	For GT2505 Handy GOT	—	●
SD memory card	NZ1MEM-2GBSD	SD memory card for GOT, 2 GB	●	●
	NZ1MEM-4GBSD	SDHC memory card for GOT, 4 GB	●	●
	NZ1MEM-8GBSD	SDHC memory card for GOT, 8 GB	●	●
	NZ1MEM-16GBSD	SDHC memory card for GOT, 16 GB	●	●
Battery	GT15-BAT	Battery for backup of SRAM data, clock data, and system status log data (for replacement)	●	—
	GT11-50BAT		—	●

- \*11 Only Ethernet connection is supported. Serial communication connection is not supported.

Cables

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

## Cables

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

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

<sup>\*2</sup> This cable is usable for GT2103-PMBD.

<sup>\*3</sup> This cable is usable for GT2104-RTBD, GT2103-PMBDS.

<sup>\*4</sup> This cable is usable for GT2104-RTBD, GT2103-PMBDS, GT2103-PMBLS. For GT2103-PMBLS, use a 3 m or shorter cable.

<sup>\*5</sup> This cable is usable for GT2103-PMBDS, GT2103-PMBDS2.

<sup>\*6</sup> This cable is usable for GT2104-RTBD, GT2103-PMBDS2.

<sup>\*7</sup> GT2104-RTBD, GT2103-PMBDS is possible to correspond by combining the GT10-C02H-9SC type RS-422 connector conversion cable.

<sup>\*8</sup> GT2103-PMBDS, GT2103-PMBDS2 is possible to correspond by combining the GT10-C02H-6PT9P type RS-232 connector conversion cable.

<sup>\*9</sup> This cable is not usable for the printer connection.

<sup>\*10</sup> This cable is usable for GT2104-RTBD, GT2103-PMBDS.

<sup>\*11</sup> This cable is usable for GT2103-PMBDS, GT2103-PMBDS2.

<sup>\*12</sup> This cable is usable for GT2104-RTBD, GT2103-PMBD, GT2103-PMBDS.

<sup>\*13</sup> This cable is not usable for GT2505-VTBD.

<sup>\*14</sup> This cable is usable for GT2712-STWA, GT2712-STWD, GT2710-VTWA, GT2710-VTWD, GT2512F-STNA, GT2512F-STND, GT2510-VTWA, GT2510-VTWD, GT2510F-VTNA, GT2510F-VTND, GT2508-VTWA, GT2508-VTWD, GT2508F-VTNA, GT2508F-VTND.

<sup>\*15</sup> This cable is usable for GT2104-RTBD, GT2103-PMBD, GT2103-PMBDS, GT2103-PMBDS2, GT2103-PMBLS.

<sup>\*16</sup> Note that the usable connection types and cables differ depending on the GOT model. For the details, please refer to the GOT2000 Series Connection Manual.



Cables for GT25 Handy GOT **NEW**

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

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

<sup>2)</sup> Use the cable version C or later.

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

Cables for non-Mitsubishi FA products

RS-232 and RS-422 cables are available from every manufacturer. For more details, please see the GOT2000 Series Connection Manual.

Manuals

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

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## ◆ Approval standards

### Mitsubishi's products comply with various standards and laws.

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

#### <International standards>

Mark	Overview	Country/Region
CE	EMC standards, LVD standards	Europe
Ex	ATEX standards [to be obtained soon]	Europe
UL	Safety standards Class I, Division 2	United States
cUL	Safety standards Class I, Division 2	Canada
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

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

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The actual color may differ slightly from the pictures in this catalog.  
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- The products have been manufactured under strict quality control. However, when installing the products where major accidents or losses could occur if the products fail, install appropriate backup or fail-safe functions in the system.

## Related products

Graphic Operation Terminal

# GOT SIMPLE

Simple models with various user friendly features



10" widescreen GS2110-WTBD



7" widescreen GS2107-WTBD

## Enhanced basic functions

### Widescreen displays large amounts of information

High resolution WVGA screen has sufficient display area for long alarm messages or wide trend graph display.

### Plentiful data capacity

With 9 MB user memory, there is no need to worry about the data size when creating project (screen) data.

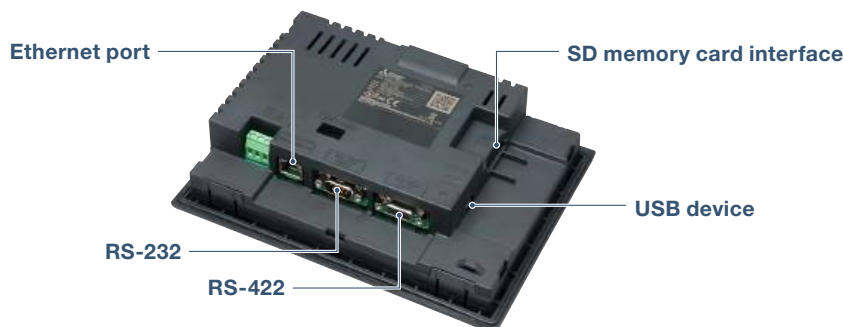
### Connectivity with various industrial devices

Easily connect to Mitsubishi Electric general-purpose inverters, Mitsubishi Electric AC servos, and various other industrial devices.

### Industrial environment tolerance

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

## Equipped with basic interfaces as standard



▼ For details



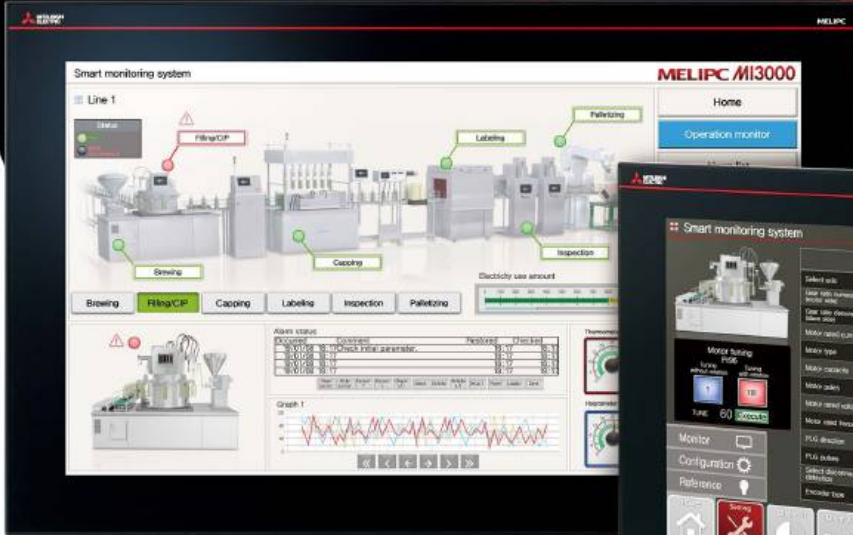
Graphic Operation Terminal  
GOT SIMPLE Series  
L(NA)08649ENG



Industrial Computer MELIPC Series MI3000

# MELIPC MI3000

Panel computers equipped with integrated touch screens



21.5" widescreen MI3321G-W



15" MI3315G-W

## Useful in edge computing or as an operation panel

### Suitable for use in edge computing

Utilization of pre-installed Edgecross Basic Software and SLMP Data Collector makes it easy to process big data of manufacturing and realizes coordination with IT systems.

### Windows® OS enables wider usage

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

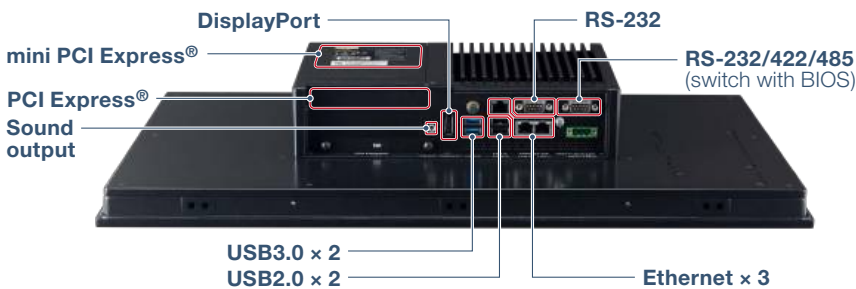
### Beautiful, stunning, large screen monitor

Large 21.5-inch widescreen display and 15-inch display models are available. Colorful images are displayed with 16.77 million colors.

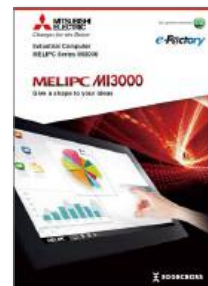
### Easily visualize shop floors with GT SoftGOT2000

Since GT SoftGOT2000 is pre-installed on MI3000, various industrial devices can be monitored in the same way as GOT2000 Series.

## System expansion according to needs



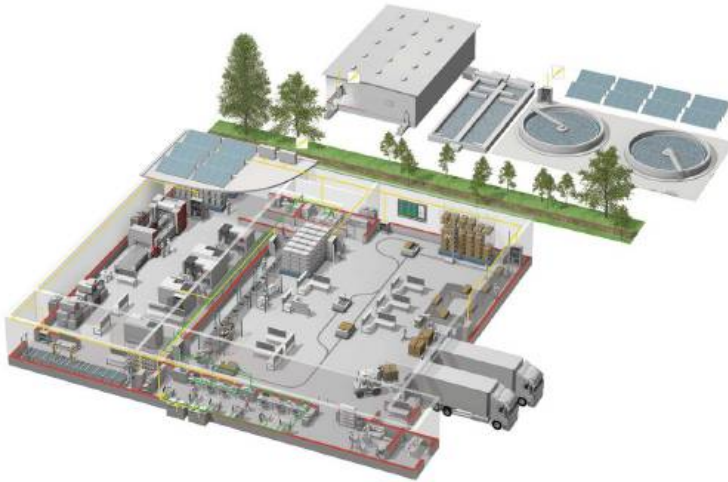
▼ For details



Industrial Computer  
MELIPC Series MI3000  
L(NA)08600ENG

MEMO

# YOUR SOLUTION PARTNER



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

## A NAME TO TRUST

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.

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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.

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