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MITSUBISHI ELECTRIC

Changes for the Better

for a greener tomorrow

FACTORY AUTOMATION

Concise

GOT2000 Series

Mitsubishi Graphic Operation Terminal



GOT2000

Graphic Operation Terminal

- Innovative display features
- Global support
- Advanced connectivity
- Enhanced lineup
- Simple design
- Easy settings & operation

Line up

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

GT27 model

Advanced model with multi-touch gesture functions

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

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

15 inch



XGA

GT2715-XTBA
GT2715-XTBD

Resolution: 1024 × 768
Display color: 65536 colors

12.1 inch



SVGA

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

Resolution: 800 × 600
Display color: 65536 colors

GT25 model

High performance, cost efficient, mid-range model

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

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

12.1 inch

SVGA



GT2512-STBA
GT2512-STBD

Resolution: 800 × 600
Display color: 65536 colors

10.4 inch

VGA



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

Resolution: 640 × 480
Display color: 65536 colors

GT21 model

Compact models with basic functions

Ethernet
RS-232
RS-422/485

4.3 inch Wide

Coming soon



GT2104-RTBD

Resolution: 480 × 272
Display color: 65536 colors

3.8 inch



GT2103-PMBD [Ethernet, RS-422/485]
GT2103-PMBDS [RS-232, RS-422/485]
GT2103-PMBDS2 [RS-232 × 2ch] NEW
GT2103-PMBLS [RS-422] 5VDC type NEW

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

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

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

Multi-touch Gesture | Multi-media* | Video/RGB* | Sound output | External I/O

*:Not supported by 5.7 inch model.

10.4 inch

SVGA VGA



GT2710-STBA
GT2710-STBD

Resolution: 800 × 600
Display color: 65536 colors

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

Resolution: 640 × 480
Display color: 65536 colors

8.4 inch

SVGA VGA



GT2708-STBA
GT2708-STBD

Resolution: 800 × 600
Display color: 65536 colors

GT2708-VTBA
GT2708-VTBD

Resolution: 640 × 480
Display color: 65536 colors

5.7 inch

NEW

VGA



GT2705-VTBD

Resolution: 640 × 480
Display color: 65536 colors

Sound output | External I/O

GT23 model

Unchallenged cost performance

8.4 inch

VGA



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

Resolution: 640 × 480
Display color: 65536 colors

Ethernet
RS-232
RS-422/485

10.4 inch

VGA



GT2310-VTBA
GT2310-VTBD

Resolution: 640 × 480
Display color: 65536 colors

8.4 inch

VGA



GT2308-VTBA
GT2308-VTBD

Resolution: 640 × 480
Display color: 65536 colors

SoftGOT

Turn your personal computer into a GOT!

GOT2000 compatible HMI software

GT SoftGOT2000 Version1

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

Resolution: 640 to 1920 × 480 to 1200
Display color: 65536 colors
*:A separate license key must be mounted during use.



USB port license key





GT27 model

Advanced model with multi-touch gesture functions



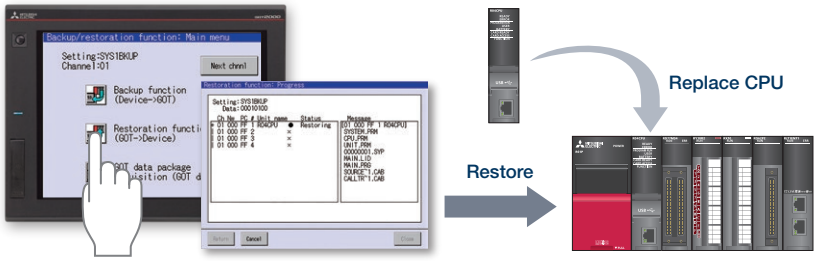
A wide variety of specifications suit every system design

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

Item	Specifications
Display	5.7 inch, 8.4 inch, 10.4 inch, 12.1 inch and 15 inch size, 65536 colors TFT LCD display
Resolution	XGA, SVGA, VGA
Backlight	White LED
User memory	Memory for storage (ROM): 57MB (GT2705 has 32MB) Memory for operation (RAM): 128MB (GT2705 has 80MB)
Standard interface	Ethernet, RS-232, RS-422/485 USB host (USB-A) 2ch* (High-Speed 480Mbps) USB device (USB Mini-B) 1ch (High-Speed 480Mbps) ∗:White model has 1ch
Extension interface	CC-Link IE Controller, CC-Link IE Field, CC-Link, bus, MELSECNET/H

With Backup/Restore function, fear troubles no more!

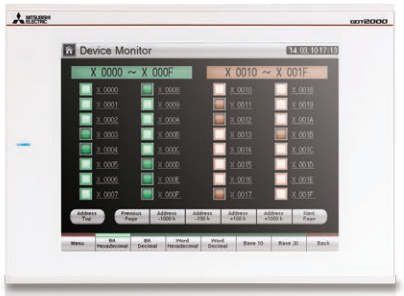
The programs and parameters of the programmable controller CPU can be backed up to the SD memory card or USB memory device in the GOT. In case of a CPU failure, users can perform batch operation to restore the data to the controller.



GT25 model

High performance, cost efficient, mid-range model





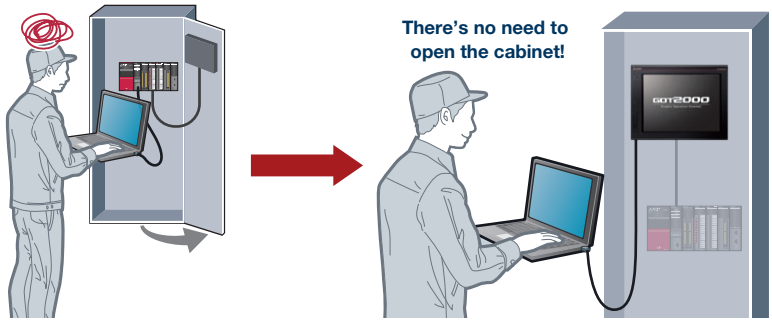
A wide variety of specifications suit every system design

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

Item	Specifications
Display	8.4 inch, 10.4 inch, and 12.1 inch size, 65536 colors TFT LCD display
Resolution	SVGA, VGA
Backlight	White LED
User memory	Memory for storage (ROM): 32MB Memory for operation (RAM): 80MB
Standard interface	Ethernet, RS-232, RS-422/485 USB host (USB-A) 2ch* (High-Speed 480Mbps) USB device (USB Mini-B) 1ch (High-Speed 480Mbps) *:White model has 1ch
Extension interface	CC-Link IE Controller, CC-Link IE Field, CC-Link, bus, MELSECNET/H

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 cabinet or changing cable connections.



GT23 model

Unchallenged cost performance





A wide variety of specifications suit every system design

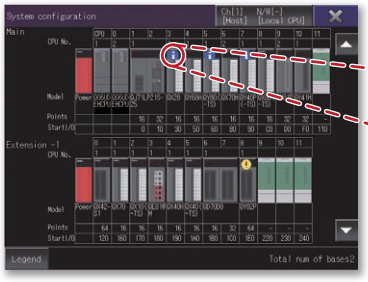
Communication interfaces such as Ethernet, RS-232, RS-422/485, USB host/device and SD memory card are standard features. Advanced interactive features such as data logging, multi-channel communication, and FA transparent function are supported.

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

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

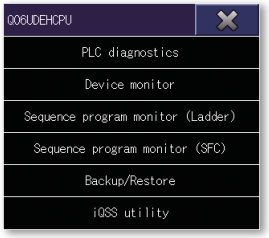
A graphical system configuration diagram indicates module statuses. When you touch a module the extended function list is shown and you can carry out maintenance work efficiently.

System configuration diagram



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

Extended functions menu



GT21 model

■ GT2104-R Coming soon

Compact model with exciting possibilities



New widescreen type compact model!

65536 colors, TFT LCD display, 4.3-inch wide model is released. High resolution, 480 × 272 dot display realized in a compact body!
The wide model shows a large amount of information on a 65536 color display.

Item	Specifications
Display	4.3 inch Wide, 65536 colors TFT LCD display
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) 1ch (Full-Speed 12Mbps)

■ GT2103-P

Small screen, big possibilities



Small, compact, easy to operate!

Ethernet built into a compact body!*1
Four-times higher resolution (320 × 128 dot) than conventional models*2

*1: Ethernet type model only
*2: Compared with GT1020

Display statuses with changeable color backlight

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

Item	Specifications
Display	3.8 inch size, monochrome (black/white), 32 shade grayscale TFT LCD display
Resolution	320 × 128 dots
Backlight	5-color LED (white, green, pink, orange, red)
User memory	Memory for storage (ROM): 3MB
Standard interface	GT2103-PMBD: Ethernet, RS-422/485 GT2103-PMBDS: RS-232, RS-422/485 GT2103-PMBDS2: RS-232 × 2ch GT2103-PMBLS: RS-422 (dedicated to FX connection, 5VDC power supply type) All models: USB device (USB Mini-B) 1ch (Full-Speed 12Mbps)

Function list

Category		GT27 model		
		GT2715-XTBA GT2715-XTBD	GT2712-STBA GT2712-STBD	GT2712-STWA GT2712-STWD
				
Hardware specifications	Panel color	Black	Black	White
	Display device	TFT color LCD 65536 colors	TFT color LCD 65536 colors	TFT color LCD 65536 colors
	Screen size	15 inch	12.1 inch	12.1 inch
	Resolution	XGA: 1024 × 768 dots	SVGA: 800 × 600 dots	SVGA: 800 × 600 dots
	Display size (W × H)	304.1 × 228.1 mm (12.0 × 8.98 inch)	246 × 184.5 mm (9.685 × 7.264 inch)	246 × 184.5 mm (9.685 × 7.264 inch)
	Backlight	White LED (not replaceable)	White LED (not replaceable)	White LED (not replaceable)
	Backlight life*1	Approx. 60000 hours	Approx. 60000 hours	Approx. 60000 hours
	Touch panel simultaneous press (2 points)	●	●	●
	Human sensor	●	●	●
	User memory	Memory for storage (ROM): 57MB Memory for operation (RAM): 128MB	Memory for storage (ROM): 57MB Memory for operation (RAM): 128MB	Memory for storage (ROM): 57MB Memory for operation (RAM): 128MB
	RS-232 interface	●	●	●
	RS-422/485 interface	●	●	●
	Ethernet interface	●	●	●
	USB (host: USB-A)	● 2ch (front face/rear face)	● 2ch (front face/rear face)	● 1ch (rear face)
	USB (device: USB Mini-B)	● 1ch (front face)	● 1ch (front face)	● 1ch (rear face)
	SD memory card slot	●	●	●
	Extension interface/Side interface*2	Serial, bus, CC-Link IE, MELSECNET, PROFIBUS, DeviceNet, wireless LAN, option units can be installed.		
	Protective structure*3	Front: IP67F In control panel: IP2X	Front: IP67F In control panel: IP2X	Front: IP67F In control panel: IP2X
	Approvals	CE, UL, cUL, KC (Maritime certifications to be obtained soon)	CE, UL, cUL, KC (Maritime certifications to be obtained soon)	CE, UL, cUL, KC, Class I Division 2 (Maritime certifications to be obtained soon)
	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 cutting 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)
GOT functions	Alarm display	●	●	●
	Historical trend graph, Historical data list display	●	●	●
	Document display	●	●	●
	Logging	●	●	●
	Recipe	●	●	●
	GOT remote access function (VNC server function)	●	●	●
	Multimedia function	●	●	●
	File transfer (FTP client) function	●	●	●
	MES interface function	●	●	●
	Operator authentication	●	●	●
	Operation log	●	●	●
	FA transparent	●	●	●
	Backup/Restore	●	●	●
	System launcher	●	●	●
	Sequence program monitor (Ladder)	●	●	●
	MELSEC-FX list editor, FX ladder monitor	●	●	●
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℃.
*2: For the details of connectable units, please refer to the relevant manuals.
*3: On GT27 or GT25, pressing "PUSH" mark firmly and locking the USB environmentally protective cover makes it conform to IP67F. (The USB interface conforms to IP2X when the cover is open.) However, this does not guarantee protection in all users' environments. The unit 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.

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

GT27 model			
GT2710-STBA GT2710-STBD	**GT2710-VTBA GT2710-VTBD**	**GT2710-VTWA GT2710-VTWD**	**GT2708-STBA GT2708-STBD**
			
Black	Black	White	Black
TFT color LCD 65536 colors	TFT color LCD 65536 colors	TFT color LCD 65536 colors	TFT color LCD 65536 colors
10.4 inch	10.4 inch	10.4 inch	8.4 inch
SVGA: 800 × 600 dots	VGA: 640 × 480 dots	VGA: 640 × 480 dots	SVGA: 800 × 600 dots
211.2 × 158.4 mm (8.315 × 6.236 inch)	211.2 × 158.4 mm (8.315 × 6.236 inch)	211.2 × 158.4 mm (8.315 × 6.236 inch)	170.9 × 128.2 mm (6.728 × 5.047 inch)
White LED (not replaceable)	White LED (not replaceable)	White LED (not replaceable)	White LED (not replaceable)
Approx. 60000 hours	Approx. 60000 hours	Approx. 60000 hours	Approx. 60000 hours
●	●	●	●
—	—	—	—
Memory for storage (ROM): 57MB Memory for operation (RAM): 128MB	Memory for storage (ROM): 57MB Memory for operation (RAM): 128MB	Memory for storage (ROM): 57MB Memory for operation (RAM): 128MB	Memory for storage (ROM): 57MB Memory for operation (RAM): 128MB
●	●	●	●
●	●	●	●
●	●	●	●
● 2ch (front face/rear face)	● 2ch (front face/rear face)	● 1ch (rear face)	● 2ch (front face/rear face)
● 1ch (front face)	● 1ch (front face)	● 1ch (rear face)	● 1ch (front face)
●	●	●	●
Serial, bus, CC-Link IE, MELSECNET, PROFIBUS, DeviceNet, wireless LAN, option units can be installed.			
Front: IP67F In control panel: IP2X	Front: IP67F In control panel: IP2X	Front: IP67F In control panel: IP2X	Front: IP67F In control panel: IP2X
CE, UL, cUL, KC (Maritime certifications to be obtained soon)	CE, UL, cUL, KC (Maritime certifications to be obtained soon)	CE, UL, cUL, KC, Class I Division 2 (Maritime certifications to be obtained soon)	CE, UL, cUL, KC (Maritime certifications to be obtained soon)
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 mm)
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)
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●

∗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 × 74 × 32 mm (4.45 × 2.92 × 1.26 inch).
∗6: For the details of connectable models and system configurations, please refer to the relevant manuals.

Function list

Category		GT27 model		GT25 model
		GT2708-VTBA GT2708-VTBD	GT2705-VTBD	GT2512-STBA GT2512-STBD
				
Hardware specifications	Panel color	Black	Black	Black
	Display device	TFT color LCD 65536 colors	TFT color LCD 65536 colors	TFT color LCD 65536 colors
	Screen size	8.4 inch	5.7 inch	12.1 inch
	Resolution	VGA: 640 × 480 dots	VGA: 640 × 480 dots	SVGA: 800 × 600 dots
	Display size (W × H)	170.9 × 128.2 mm (6.728 × 5.047 inch)	115.2 × 86.4 mm (4.535 × 3.402 inch)	246 × 184.5 mm (9.685 × 7.264 inch)
	Backlight	White LED (not replaceable)	White LED (not replaceable)	White LED (not replaceable)
	Backlight life*1	Approx. 60000 hours	Approx. 60000 hours	Approx. 60000 hours
	Touch panel simultaneous press (2 points)	●	●	—
	Human sensor	—	—	—
	User memory	Memory for storage (ROM): 57MB Memory for operation (RAM): 128MB	Memory for storage (ROM): 32MB Memory for operation (RAM): 80MB	Memory for storage (ROM): 32MB Memory for operation (RAM): 80MB
	RS-232 interface	●	●	●
	RS-422/485 interface	●	●	●
	Ethernet interface	●	●	●
	USB (host: USB-A)	● 2ch (front face/rear face)	● 2ch (front face/rear face)	● 2ch (front face/rear face)
	USB (device: USB Mini-B)	● 1ch (front face)	● 1ch (front face)	● 1ch (front face)
	SD memory card slot	●	●	●
	Extension interface/Side interface*2	Serial, bus, CC-Link IE, MELSECNET, PROFIBUS, DeviceNet, wireless LAN, option units can be installed.		
	Protective structure*3	Front: IP67F In control panel: IP2X	Front: IP67F In control panel: IP2X	Front: IP67F In control panel: IP2X
	Approvals	CE, UL, cUL, KC (Maritime certifications to be obtained soon)	CE, UL, cUL, KC (Maritime certifications to be obtained soon)	CE, UL, cUL, KC (Maritime certifications to be obtained soon)
	External dimensions (W × H × D)	241 × 194 × 52 mm (9.49 × 7.64 × 2.05 inch)	167 × 139 × 60 mm (6.57 × 5.47 × 2.36 inch)	316 × 246 × 52 mm (12.44 × 9.69 × 2.05 inch)
	Panel cutting dimensions (W × H)	227 × 176 mm (8.94 × 6.93 inch)	153 × 121 mm (6.02 × 4.76 inch)	302 × 228 mm (11.89 × 8.98 inch)
GOT functions	Alarm display	●	●	●
	Historical trend graph, Historical data list display	●	●	●
	Document display	●	●	●
	Logging	●	●	●
	Recipe	●	●	●
	GOT remote access function (VNC server function)	●	●	●
	Multimedia function	●	—	—
	File transfer (FTP client) function	●	●	●
	MES interface function	●	●	●
	Operator authentication	●	●	●
	Operation log	●	●	●
	FA transparent	●	●	●
	Backup/Restore	●	●	●
	System launcher	●	●	●
	Sequence program monitor (Ladder)	●	●	●
	MELSEC-FX list editor, FX ladder monitor	●	●	●
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℃.
*2: For the details of connectable units, please refer to the relevant manuals.
*3: On GT27 or GT25, pressing "PUSH" mark firmly and locking the USB environmentally protective cover makes it conform to IP67F. (The USB interface conforms to IP2X when the cover is open.) However, this does not guarantee protection in all users' environments. The unit 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.

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

GT25 model			
GT2510-VTBA GT2510-VTBD	**GT2510-VTWA GT2510-VTWD**	**GT2508-VTBA GT2508-VTBD**	**GT2508-VTWA GT2508-VTWD**
			
Black	White	Black	White
TFT color LCD 65536 colors	TFT color LCD 65536 colors	TFT color LCD 65536 colors	TFT color LCD 65536 colors
10.4 inch	10.4 inch	8.4 inch	8.4 inch
VGA: 640 × 480 dots	VGA: 640 × 480 dots	VGA: 640 × 480 dots	VGA: 640 × 480 dots
211.2 × 158.4 mm (8.315 × 6.236 inch)	211.2 × 158.4 mm (8.315 × 6.236 inch)	170.9 × 128.2 mm (6.728 × 5.047 inch)	170.9 × 128.2 mm (6.728 × 5.047 inch)
White LED (not replaceable)	White LED (not replaceable)	White LED (not replaceable)	White LED (not replaceable)
Approx. 60000 hours	Approx. 60000 hours	Approx. 60000 hours	Approx. 60000 hours
—	—	—	—
—	—	—	—
Memory for storage (ROM): 32MB Memory for operation (RAM): 80MB	Memory for storage (ROM): 32MB Memory for operation (RAM): 80MB	Memory for storage (ROM): 32MB Memory for operation (RAM): 80MB	Memory for storage (ROM): 32MB Memory for operation (RAM): 80MB
●	●	●	●
●	●	●	●
●	●	●	●
● 2ch (front face/rear face)	● 1ch (rear face)	● 2ch (front face/rear face)	● 1ch (rear face)
● 1ch (front face)	● 1ch (rear face)	● 1ch (front face)	● 1ch (rear face)
●	●	●	●
Serial, bus, CC-Link IE, MELSECNET, PROFIBUS, DeviceNet, wireless LAN, option units can be installed.			
Front: IP67F In control panel: IP2X	Front: IP67F In control panel: IP2X	Front: IP67F In control panel: IP2X	Front: IP67F In control panel: IP2X
CE, UL, cUL, KC (Maritime certifications to be obtained soon)	CE, UL, cUL, KC, Class I Division 2 (Maritime certifications to be obtained soon)	CE, UL, cUL, KC (Maritime certifications to be obtained soon)	CE, UL, cUL, KC, Class I Division 2 (Maritime certifications to be obtained soon)
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 mm)	241 × 194 × 52 mm (9.49 × 7.64 × 2.05 mm)
289 × 200 mm (11.38 × 7.87 inch)	289 × 200 mm (11.38 × 7.87 inch)	227 × 176 mm (8.94 × 6.93 inch)	227 × 176 mm (8.94 × 6.93 inch)
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
—	—	—	—
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●

∗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 × 74 × 32 mm (4.45 × 2.92 × 1.26 inch).
∗6: For the details of connectable models and system configurations, please refer to the relevant manuals.

Function list

Category		GT23 model		GT21 model
		GT2310-VTBA GT2310-VTBD	GT2308-VTBA GT2308-VTBD	GT2104-RTBD
				 Coming soon
Hardware specifications	Panel color	Black	Black	Black
	Display device	TFT color LCD 65536 colors	TFT color LCD 65536 colors	TFT color LCD 65536 colors
	Screen size	10.4 inch	8.4 inch	4.3 inch Wide
	Resolution	VGA: 640 × 480 dots	VGA: 640 × 480 dots	480 × 272 dots
	Display size (W × H)	211.2 × 158.4 mm (8.315 × 6.236 inch)	170.9 × 128.2 mm (6.728 × 5.047 inch)	95.0 × 53.8 mm (3.74 × 2.12 inch)
	Backlight	White LED (not replaceable)	White LED (not replaceable)	White LED (not replaceable)
	Backlight life*1	Approx. 50000 hours	Approx. 50000 hours	Approx. 50000 hours
	Touch panel simultaneous press (2 points)	—	—	—
	Human sensor	—	—	—
	User memory	Memory for storage (ROM): 9MB Memory for operation (RAM): 9MB	Memory for storage (ROM): 9MB Memory for operation (RAM): 9MB	Memory for storage (ROM): 9MB
	RS-232 interface	●	●	●
	RS-422/485 interface	●	●	●
	Ethernet interface	●	●	●
	USB (host: USB-A)	● 1ch (rear face)	● 1ch (rear face)	—
	USB (device: USB Mini-B)	● 1ch (rear face)	● 1ch (rear face)	● 1ch (rear face)
	SD memory card slot	●	●	●
	Extension interface/Side interface*2	—	—	—
	Protective structure*3	Front: IP67F In control panel: IP2X	Front: IP67F In control panel: IP2X	Front: IP67F In control panel: IP2X
	Approvals	CE, UL, cUL, KC (Maritime certifications to be obtained soon)	CE, UL, cUL, KC (Maritime certifications to be obtained soon)	To be obtained soon (CE, UL, cUL, KC)
	External dimensions (W × H × D)	303 × 218 × 56 mm (11.93 × 8.58 × 2.20 inch)	241 × 194 × 56 mm (9.49 × 7.64 × 2.20 inch)	128 × 102 × 40 mm (5.04 × 4.02 × 1.57 inch)
	Panel cutting dimensions (W × H)	289 × 200 mm (11.38 × 7.87 inch)	227 × 176 mm (8.94 × 6.93 inch)	118 × 92 mm (4.65 × 3.63 inch)
GOT functions	Alarm display	●	●	●
	Historical trend graph, Historical data list display	●	●	●
	Document display	—	—	—
	Logging	●	●	●
	Recipe	●	●	●
	GOT remote access function (VNC server function)	—	—	—
	Multimedia function	—	—	—
	File transfer (FTP client) function	●	●	—
	MES interface function	—	—	—
	Operator authentication	●	●	●
	Operation log	●	●	—
	FA transparent	●	●	●
	Backup/Restore	●	●	●
	System launcher	●	●	—
	Sequence program monitor (Ladder)	—	—	—
	MELSEC-FX list editor, FX ladder monitor	● (MELSEC-FX list editor only)	● (MELSEC-FX list editor only)	● (MELSEC-FX list editor only)
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℃.
*2: For the details of connectable units, please refer to the relevant manuals.
*3: On GT27 or GT25, pressing "PUSH" mark firmly and locking the USB environmentally protective cover makes it conform to IP67F. (The USB interface conforms to IP2X when the cover is open.) However, this does not guarantee protection in all users' environments. The unit 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.

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

GT21 model			
GT2103-PMBD	GT2103-PMBDS	GT2103-PMBDS2	GT2103-PMBLS
			
Black	Black	Black	Black
TFT monochrome (black/white) LCD 32 shade grayscale	TFT monochrome (black/white) LCD 32 shade grayscale	TFT monochrome (black/white) LCD 32 shade grayscale	TFT monochrome (black/white) LCD 32 shade grayscale
3.8 inch	3.8 inch	3.8 inch	3.8 inch
320 × 128 dots	320 × 128 dots	320 × 128 dots	320 × 128 dots
89.0 × 35.6 mm (3.51 × 1.41 inch)	89.0 × 35.6 mm (3.51 × 1.41 inch)	89.0 × 35.6 mm (3.51 × 1.41 inch)	89.0 × 35.6 mm (3.51 × 1.41 inch)
5-color LED (white/green/pink/orange/red) (not replaceable)	5-color LED (white/green/pink/orange/red) (not replaceable)	5-color LED (white/green/pink/orange/red) (not replaceable)	5-color LED (white/green/pink/orange/red) (not replaceable)
Approx. 50000 hours	Approx. 50000 hours	Approx. 50000 hours	Approx. 50000 hours
—	—	—	—
—	—	—	—
Memory for storage (ROM): 3MB	Memory for storage (ROM): 3MB	Memory for storage (ROM): 3MB	Memory for storage (ROM): 3MB
—	●	● (2ch)	—
●	●	—	● (RS-422 only)
●	—	—	—
—	—	—	—
● 1ch (rear face)	● 1ch (rear face)	● 1ch (rear face)	● 1ch (rear face)
●*4	●*4	●*4	—
—	—	—	—
Front: IP67F In control panel: IP2X	Front: IP67F In control panel: IP2X	Front: IP67F In control panel: IP2X	Front: IP67F In control panel: IP2X
CE, UL, cUL, KC	CE, UL, cUL, KC	CE, UL, cUL, KC	CE, UL, cUL, KC
113 × 74 × 32 mm (4.45 × 2.92 × 1.26 inch)	113 × 74 × 27 mm*5 (4.45 × 2.92 × 1.07 inch)	113 × 74 × 27 mm*5 (4.45 × 2.92 × 1.07 inch)	113 × 74 × 27 mm (4.45 × 2.92 × 1.07 inch)
105 × 66 mm (4.14 × 2.60 inch)	105 × 66 mm (4.14 × 2.60 inch)	105 × 66 mm (4.14 × 2.60 inch)	105 × 66 mm (4.14 × 2.60 inch)
●	●	●	●
●	●	●	●
—	—	—	—
●	●	●	●
●	●	●	●
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
●	●	●	●
—	—	—	—
●	●	●	●
●	●	●	—
—	—	—	—
—	—	—	—
—	—	—	—
●	●	●	● (FXCPU only)
—	●	●	—
●	●	●	—
●	●	●	—
—	●	●	—

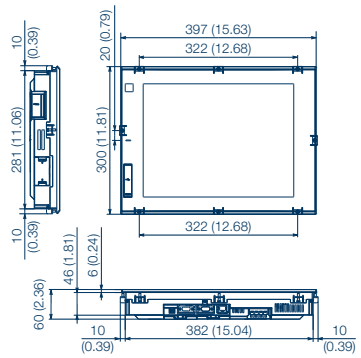
*4: The SD memory card unit (GT21-03SDCD), sold separately, needs to be mounted.
*5: The dimension when the SD memory card unit (GT21-03SDCD) is mounted is 113 × 74 × 32 mm (4.45 × 2.92 × 1.26 inch).
*6: For the details of connectable models and system configurations, please refer to the relevant manuals.

External dimensions

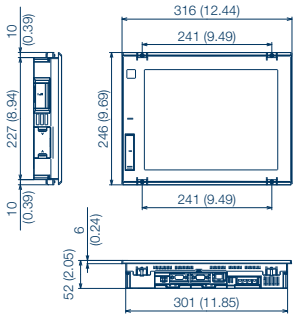
GT27

Unit: mm (inch)

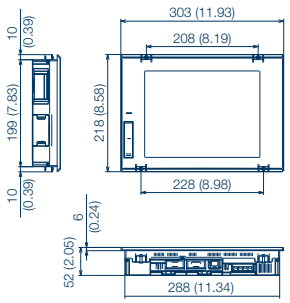
GT2715



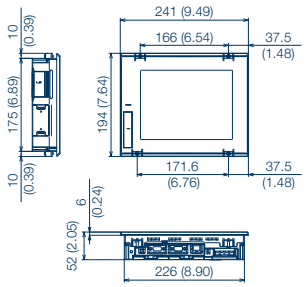
GT2712



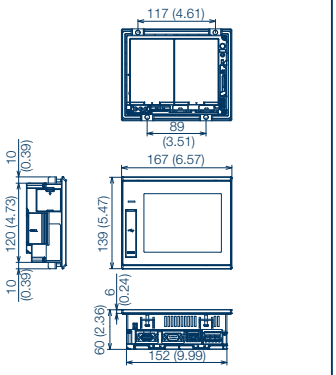
GT2710



GT2708



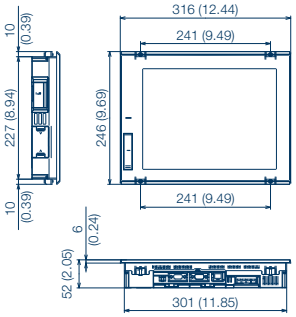
GT2705



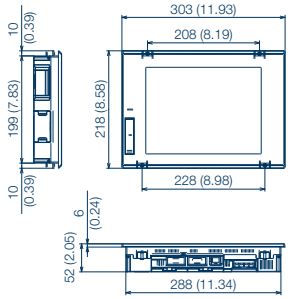
GT25

Unit: mm (inch)

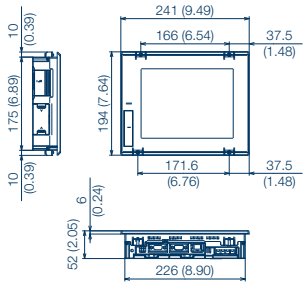
GT2512



GT2510



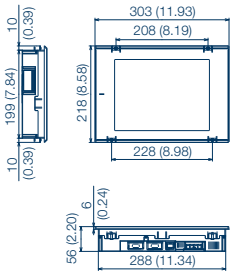
GT2508



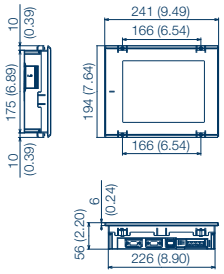
GT23

Unit: mm (inch)

GT2310



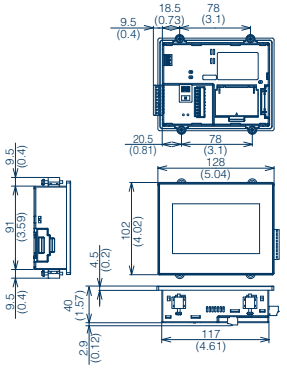
GT2308



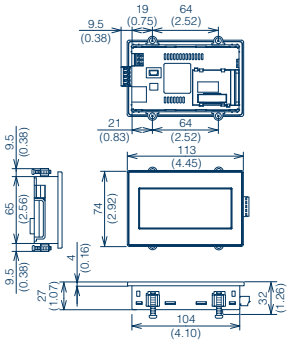
GT21

Unit: mm (inch)

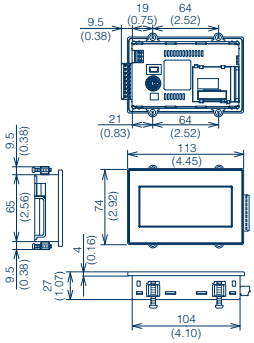
GT2104-RTBD



GT2103-PMBD



GT2103-PMBDS/GT2103-PMBDS2/GT2103-PMBLS

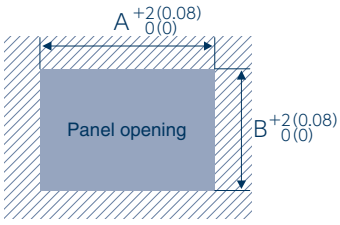


Panel cutting dimensions

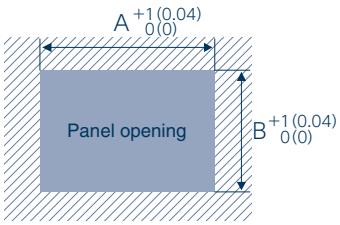
Unit: mm (inch)

Screen size	Model	A	B	Remarks
15 inch	GT2715	383.5 (15.10)	282.5 (11.12)	Same dimensions as GT1695, GT1595.
12.1 inch	GT2712 GT2512	302 (11.89)	228 (8.98)	Same dimensions as GT1685, GT1585, A985GOT.
10.4 inch	GT2710 GT2510 GT2310	289 (11.38)	200 (7.87)	Same dimensions as GT167□, GT157□, GT1275, A97□GOT.
8.4 inch	GT2708 GT2508 GT2308	227 (8.94)	176 (6.93)	Same dimensions as GT166□, GT1565, GT1265.
5.7 inch	GT2705	153 (6.02)	121 (4.76)	Same dimensions as GT1655, GT155□, GT145□, GT115□, GT105□, F940GOT.
4.3 inch Wide	GT2104	118 (4.65)	92 (3.63)	—
3.8 inch	GT2103	105 (4.14)	66 (2.60)	Same dimensions as GT1020.

GT27/GT25/GT23



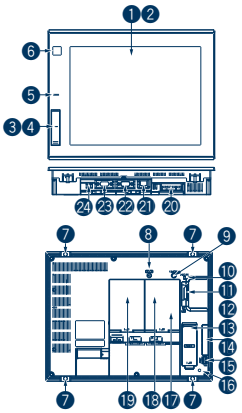
GT21



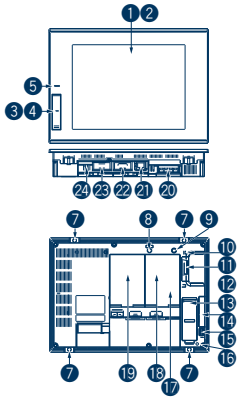
Components names

GT27/GT25

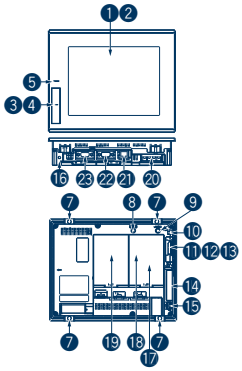
GT2715/GT2712



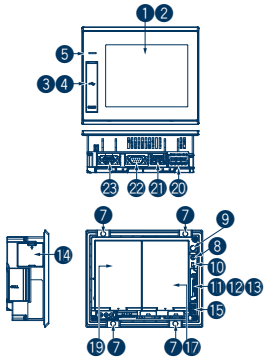
GT2710



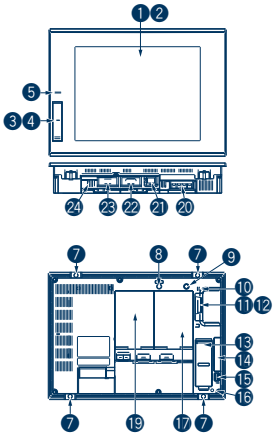
GT2708



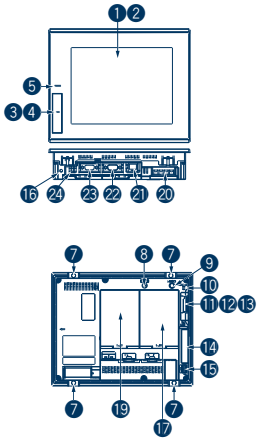
GT2705



GT2512/GT2510



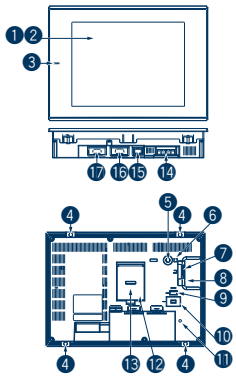
GT2508



1. Display screen
2. Touch panel
3. USB interface (host/front face)
   *: Excluding white model
4. USB interface (device/front face)
   *: Excluding white model
5. POWER LED
6. Human sensor
   (GT2715/GT2712 only)
7. Unit mounting bracket
8. Reset switch
9. S. MODE switch
10. SD memory card access LED
11. SD memory card interface
12. SD memory card cover
13. Battery (inside the cover)
14. Side interface
15. USB interface (host/rear face)
16. Cable clamp mounting hole
17. Terminating resistor setting switch
    (inside the cover)
18. Auxiliary extension I/F
19. Extension interface
20. Power supply terminal
21. Ethernet interface
22. RS-232 interface
23. RS-422/485 interface
24. USB interface (device/rear face)
    *: White model only

GT23

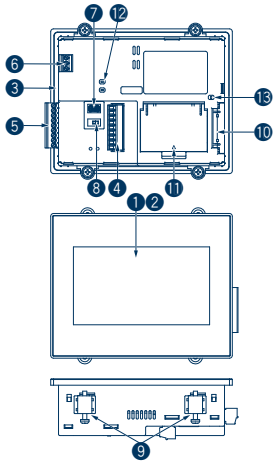
GT2310/GT2308



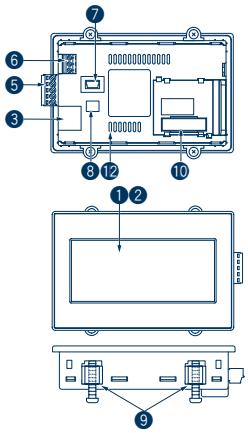
❶ Display screen
❷ Touch panel
❸ POWER LED
❹ Unit mounting bracket
❺ S. MODE switch
❻ SD memory card access LED
❼ SD memory card interface
❽ SD memory card cover
❾ USB interface (host)
❿ USB interface (device)
⓫ Cable clamp mounting hole
⓬ Terminating resistor setting switch (inside the cover)
⓭ Battery (inside the cover)
⓮ Power supply terminal
⓯ Ethernet interface
⓰ RS-232 interface
⓱ RS-422/485 interface

GT21

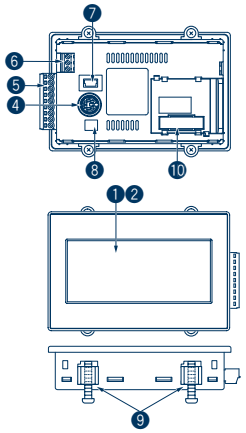
GT2104-RTBD



GT2103-PMBD



GT2103-PMBDS/GT2103-PMBDS2
GT2103-PMBLS



❶ Display screen
❷ Touch panel
❸ Ethernet interface
❹ RS-232 interface
∗: Excluding GT2103-PMBLS
❺ RS-422/485 interface
∗: RS-232 interface on GT2103-PMBDS2
∗: RS-422 interface on GT2103-PMBLS (dedicated to FX connection)
❻ Power supply terminal
∗: Excluding GT2103-PMBLS
❼ USB interface (device)
❽ Terminating resistor setting switch
∗: Excluding GT2103-PMBDS2, GT2103-PMBLS
❾ Unit mounting bracket
❿ SD memory card interface (inside the cover)
∗: GT2104 only
SD memory card unit connector (inside the cover)
∗: GT2103 only (excluding GT2103-PMBLS)
⓫ Battery (inside the cover)
⓬ Ethernet communication status LED
⓭ SD memory card access LED

Product list

GOTs

Category		Model name	Screen size	Display section Display color	Panel color	Power supply	Remarks
GT27	GT2715	GT2715-XTBA	15 inch XGA	TFT color 65536 colors	Black	100 to 240VAC	Multimedia & Video/RGB compliant Multi-touch compliant
		GT2715-XTBD				24VDC	
	GT2712	GT2712-STBA	12.1 inch SVGA		Black	100 to 240VAC	
		GT2712-STBD				24VDC	
		GT2712-STWA			White	100 to 240VAC	
		GT2712-STWD				24VDC	
	GT2710	GT2710-STBA	10.4 inch SVGA		Black	100 to 240VAC	
		GT2710-STBD				24VDC	
		GT2710-VTBA	10.4 inch VGA			100 to 240VAC	
		GT2710-VTBD				24VDC	
		GT2710-VTWA			White	100 to 240VAC	
		GT2710-VTWD				24VDC	
	GT2708	GT2708-STBA	8.4 inch SVGA		Black	100 to 240VAC	
		GT2708-STBD				24VDC	
		GT2708-VTBA	8.4 inch VGA			100 to 240VAC	
		GT2708-VTBD				24VDC	
	GT2705	GT2705-VTBD NEW	5.7 inch VGA		Black	24VDC	Multi-touch compliant
GT25	GT2512	GT2512-STBA	12.1 inch SVGA	TFT color 65536 colors	Black	100 to 240VAC	—
		GT2512-STBD				24VDC	
	GT2510	GT2510-VTBA	10.4 inch VGA		Black	100 to 240VAC	
		GT2510-VTBD				24VDC	
		GT2510-VTWA			White	100 to 240VAC	
		GT2510-VTWD				24VDC	
	GT2508	GT2508-VTBA	8.4 inch VGA		Black	100 to 240VAC	
		GT2508-VTBD				24VDC	
		GT2508-VTWA			White	100 to 240VAC	
		GT2508-VTWD				24VDC	
GT23	GT2310	GT2310-VTBA	10.4 inch VGA	TFT color 65536 colors	Black	100 to 240VAC	—
		GT2310-VTBD				24VDC	
	GT2308	GT2308-VTBA	8.4 inch VGA		Black	100 to 240VAC	
		GT2308-VTBD				24VDC	
GT21	GT2104	GT2104-RTBD Coming soon	4.3 inch Wide [480 × 272 dots]	TFT color 65536 colors	Black	24VDC	—
	GT2103	GT2103-PMBD	3.8 inch [320 × 128 dots]	Monochrome (black/white) 32 shade grayscale 5-color LED (white/green/pink/orange/red)	Black	24VDC	Ethernet, RS-422/485
		GT2103-PMBDS				24VDC	RS-232, RS-422/485
		GT2103-PMBDS2 NEW				24VDC	RS-232 × 2ch
		GT2103-PMBLS NEW				5VDC	RS-422 (dedicated to FX connection)

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

Communication units

Product name	Model name	Specifications	Applicable model			
			GT27	GT25	GT23	GT21
Serial communication unit	GT15-RS2-9P	RS-232 serial communication unit (D-sub 9-pin male)	●	●	—	—
	GT15-RS4-9S	RS-422/485 serial communication unit (D-sub 9-pin female)*1*2	●	●	—	—
	GT15-RS4-TE	RS-422/485 serial communication unit (terminal block)*1 Usable only when connecting to temperature controllers/indicating controllers via RS-485 or in GOT multi-drop connection	●	●	—	—
Q bus connection unit	GT15-QBUS	Q bus connection (1ch) unit standard model	●	●	—	—
	GT15-QBUS2	Q bus connection (2ch) unit standard model	●	●	—	—
	GT15-75QBUSL	Q bus connection (1ch) unit slim model *3	●	●	—	—
	GT15-75QBUS2L	Q bus connection (2ch) unit slim model *3	●	●	—	—
MELSECNET/H communication unit	GT15-J71LP23-25	Normal station unit (optical loop)	●	●	—	—
	GT15-J71BR13	Normal station unit (coaxial bus)	●	●	—	—
CC-Link IE Controller Network communication unit	GT15-J71GP23-SX	Normal station unit (optical loop)	●	●	—	—
CC-Link IE Field Network communication unit	GT15-J71GF13-T2	Intelligent device station unit	●	●	—	—
CC-Link communication unit	GT15-J61BT13	Intelligent device station unit CC-Link Ver. 2 compliant	●	●	—	—
Field network adapter unit*6	GT25-FNADP NEW	Supported network: PROFIBUS DP, DeviceNet	●	●	—	—
Wireless LAN communication unit	GT25-WLAN	IEEE802.11b/g/n compliant, built-in antenna, station (wireless LAN adapter), connection to personal computer Compliance with: Japan Radio Law*4, FCC*5, R&TTE*5	●	●	—	—
Serial multi-drop connection unit	GT01-RS4-M	For GOT multi-drop connection	●	●	●	●

*1: The unit may not be able to be used depending on the connection destination. Please refer to the GOT2000 Series Connection Manual.
*2: The unit cannot be used when connecting to temperature controllers/indicating controllers via RS-485 (2-wire type).
*3: The unit cannot be used stacked on other units.
*4: The product with hardware version A complies with the regulation. The product with hardware version A can be used only in Japan.
*5: The product with hardware version B 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.
*6: Anybus® CompactCom M40 network communication module manufactured by HMS is required separately. Please purchase a module by specifying the article number.

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

Option units

Product name	Model name	Specifications	Applicable model			
			GT27	GT25	GT23	GT21
Printer unit	GT15-PRN	USB slave (PictBridge) for printer connection, 1ch Cable for connection between printer unit and printer (3m) included	●	●	—	—
Multimedia unit	GT27-MMR-Z	For video input (NTSC/PAL) 1ch, Record video images/play video files	●*1	—	—	—
Video input unit	GT27-V4-Z	For video input (NTSC/PAL) 4ch	●*1	—	—	—
RGB input unit	GT27-R2 NEW	For analog RGB input 2ch (2 channels simultaneously) *3	●*1	—	—	—
	GT27-R2-Z	For analog RGB input 2ch (channel by channel) *3	●*1	—	—	—
Video/RGB input unit	GT27-V4R1-Z	For video input (NTSC/PAL) 4ch / analog RGB 1ch input	●*1	—	—	—
RGB output unit	GT27-ROUT NEW	For analog RGB output 1ch (slim model)	●*1	—	—	—
	GT27-ROUT-Z	For analog RGB output 1ch	●*1	—	—	—
Sound output unit	GT15-SOUT	For sound output (ϕ3.5 stereo pin jack)	●	●	—	—
External I/O unit	GT15-DIOR	For external I/O devices and operation panel connection (negative common input / source type output)	●	●	—	—
	GT15-DIO	For external I/O devices and operation panel connection (positive common input / sink type output)	●	●	—	—
SD memory card unit	GT21-03SDCD NEW	For SD memory card mounting	—	—	—	●*2

*1: Not supported by the 5.7-inch model.
*2: Can be used with GT2103 only. (Excluding GT2103-PMBLS)
*3: Settings in the screen design software differ between GT27-R2 and GT27-R2-Z.

Professional Designs in Just a Few Clicks!

GOT Screen Design Software
MELSOFT GT Works3 +plus

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



Software

Product name	Model name	Contents		
HMI/GOT Screen Design Software MELSOFT GT Works3	SW1DND-GTWK3-E	English Version	Standard license product	DVD-ROM
	SW1DND-GTWK3-EA		Volume license product *1	
	SW1DND-GTWK3-EAZ		Additional license product *1*6	
FA Integrated Engineering Software MELSOFT iQ Works *2*3	SW2DND-IQWK-E	English Version	Standard license product	DVD-ROM
License key for GT SoftGOT2000*4	GT27-SGTKEY-U	USB port license key		
Remote Personal Computer Operation Function (Ethernet) License*5	GT25-PCRAKEY	1 license		
VNC Server Function License*5	GT25-VNCSKEY	1 license (License for GT remote access function)		
MES I/F Function License*5	GT25-MESIFKEY	1 license		

*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)08232).
*3: The product includes the following software.
- System Management Software [MELSOFT Navigator]
- Motion Controller Engineering Software [MELSOFT MT Works2]
- Robot Engineering Software [MELSOFT RT ToolBox2 mini]
- MITSUBISHI ELECTRIC FA Library
- Programmable Controller Engineering Software [MELSOFT GX Works3, GX Works2, GX Developer]
- HMI/GOT Screen Design Software [MELSOFT GT Works3]
- Inverter Setup Software [MELSOFT FR Configurator2]

*4: To use GT SoftGOT2000, a license key for GT SoftGOT2000 is necessary for each personal computer.
*5: 1 license is required for 1 GOT unit.
*6: This product does not include the DVD-ROM. Only the license certificate with the product ID No. is issued.

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

⚠ Precautions for safe use

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008

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