



CÔNG TY CỔ PHẦN CÔNG NGHỆ HỢP LONG

for a greener tomorrow



Changes for the Better

Mitsubishi Graphic Operation Terminal
GOT1000 Series

**Tailored solutions to meet your HMI and
visualization needs**



Hotline: 1900.6536 - Website: HOPLONGTECH.COM

The GOT1000 series offers six classes of terminals to fit any system or budget requirement.

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

GT16

GOT1000 GRAPHIC OPERATION TERMINAL

Multimedia Video RGB Network Bus Serial

15" type



XGA TFT(High-brightness, wide viewing angle)
GT1695M-STBA AC type GT1695M-STBD DC type
Resolution: 1024 x 768 Display colors: 65,536 colors
Multimedia, video/RGB model

12.1" type



SVGA TFT(High-brightness, wide viewing angle)
GT1685M-STBA AC type GT1685M-STBD DC type
Resolution: 800 x 600 Display colors: 65,536 colors
Multimedia, video/RGB model

10.4" type



SVGA TFT(High-brightness, wide viewing angle)
GT1675M-STBA AC type GT1675M-STBD DC type
Resolution: 800 x 600 Display colors: 65,536 colors
Multimedia, video/RGB model

8.4" type



VGA TFT
GT1675-VNBA AC type GT1675-VNBD DC type
Resolution: 640 x 480 Display colors: 4,096 colors

SVGA TFT(High-brightness, wide viewing angle)
GT1665M-STBA AC type GT1665M-STBD DC type
Resolution: 800 x 600 Display colors: 65,536 colors
Multimedia, video/RGB model

VGA TFT
GT1672-VNBA AC type GT1672-VNBD DC type
Resolution: 640 x 480 Display colors: 16 colors

5.7" type



VGA TFT(High-brightness, wide viewing angle)
GT1662-VNBA AC type GT1662-VNBD DC type
Resolution: 640 x 480 Display colors: 16 colors

6.5" type Handy



VGA Handy GOT/TFT
(High-brightness, wide viewing angle)
GT1665HS-VTBD DC type
Resolution: 640 x 480 Display colors: 65,536 colors

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

GT15

GOT1000 GRAPHIC OPERATION TERMINAL

Multimedia Video RGB Network Bus Serial

15" type



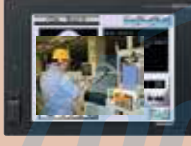
XGA TFT(High-brightness, wide viewing angle)
GT1595-STBA AC type GT1595-STBD DC type
Resolution: 1024 x 768 Display colors: 65,536 colors

12.1" type



SVGA TFT(High-brightness, wide viewing angle)
GT1585V-STBA AC type GT1585V-STBD DC type
Resolution: 800 x 600 Display colors: 65,536 colors
Video/RGB model

10.4" type



SVGA TFT(High-brightness, wide viewing angle)
GT1575V-STBA AC type GT1575V-STBD DC type
Resolution: 800 x 600 Display colors: 65,536 colors
Video/RGB model

8.4" type



VGA TFT(High-brightness, wide viewing angle)
GT1575-VTBA AC type GT1575-VTBD DC type
Resolution: 640 x 480 Display colors: 65,536 colors

VGA TFT
GT1575-VNBA AC type GT1575-VNBD DC type
Resolution: 640 x 480 Display colors: 256 colors

5.7" type



VGA TFT(High-brightness, wide viewing angle)
GT1555-VTBD DC type
Resolution: 640 x 480 Display colors: 65,536 colors

5.7" type



QVGA STN
GT1555-QSBD DC type
Resolution: 320 x 240 Display colors: 4,096 colors

5.7" type



QVGA STN
GT1550-QSBD DC type
Resolution: 320 x 240 Display colors: 16 gray scales

Standard model with advanced features and communication interfaces

GT14

GOT1000 GRAPHIC OPERATION TERMINAL

Multimedia Video RGB Network Bus Serial

5.7" type



QVGA TFT
GT1455-QTBDE DC type
Resolution: 320 x 240 Display colors: 65,536 colors

5.7" type



QVGA STN
GT1450-QLBDE DC type
Resolution: 320 x 240 Display colors: 16 gray scales

Large basic models with integrated features and communication interfaces

GT12

GOT1000 GRAPHIC OPERATION TERMINAL

Multimedia Video RGB Network Bus Serial

10.4" type



VGA TFT
GT1275-VNBA AC type GT1275-VNBD DC type
Resolution: 640 x 480 Display colors: 256 colors

8.4" type



VGA TFT
GT1265-VNBA AC type GT1265-VNBD DC type
Resolution: 640 x 480 Display colors: 256 colors

Small models with a host of advanced functions

GT11

GOT1000 GRAPHIC OPERATION TERMINAL

Multimedia Video RGB Network Bus Serial

5.7" type Handy



QVGA Handy GOT/STN
GT1155HS-QSBD DC type
Resolution: 320 x 240 Display colors: 256 colors

Compact models with basic functions

GT10

GOT1000 GRAPHIC OPERATION TERMINAL

Multimedia Video RGB Network Bus Serial

5.7" type



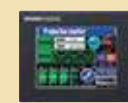
QVGA STN
GT1055-QSBD 24VDC type
Resolution: 320 x 240 Display colors: 256 colors

5.7" type



QVGA STN
GT1050-QBBD 24VDC type
Resolution: 320 x 240 Display colors: Monochrome (blue/white) 16 gray scales

4.7" type



QVGA STN
GT1045-QSBD 24VDC type
Resolution: 320 x 240 Display colors: 256 colors

4.7" type



QVGA STN
GT1040-QBBD 24VDC type
Resolution: 320 x 240 Display colors: Monochrome (blue/white) 16 gray scales

4.5" type



STN(High contrast)
GT1030-HBD [Black] 24VDC type RS-422 connection
GT1030-HBD2 [Black] 24VDC type RS-232 connection
GT1030-HBL [Black] 5VDC type RS-422 connection
GT1030-HWD [White] 24VDC type RS-422 connection
GT1030-HWD2 [White] 24VDC type RS-232 connection
GT1030-HWL [White] 5VDC type RS-422 connection
Resolution: 288 x 96 Display colors: Monochrome (black/white) (Tricolor LED (green/orange/red))

4.5" type



STN(High contrast)
GT1030-HBDW [Black] 24VDC type RS-422 connection
GT1030-HBDW2 [Black] 24VDC type RS-232 connection
GT1030-HBLW [Black] 5VDC type RS-422 connection
GT1030-HWDW [White] 24VDC type RS-422 connection
GT1030-HWDW2 [White] 24VDC type RS-232 connection
GT1030-HWLW [White] 5VDC type RS-422 connection
Resolution: 288 x 96 Display colors: Monochrome (black/white) (Tricolor LED (white/pink/red))

3.7" type



STN
GT1020-LBD [Black] 24VDC type RS-422 connection
GT1020-LBD2 [Black] 24VDC type RS-232 connection
GT1020-LBL [Black] 5VDC type RS-422 connection
GT1020-LWD [White] 24VDC type RS-422 connection
GT1020-LWD2 [White] 24VDC type RS-232 connection
GT1020-LWL [White] 5VDC type RS-422 connection
Resolution: 160 x 64 Display colors: Monochrome (black/white) (Tricolor LED (green/orange/red))

3.7" type



STN
GT1020-LBDW [Black] 24VDC type RS-422 connection
GT1020-LBDW2 [Black] 24VDC type RS-232 connection
GT1020-LBLW [Black] 5VDC type RS-422 connection
GT1020-LWDW [White] 24VDC type RS-422 connection
GT1020-LWDW2 [White] 24VDC type RS-232 connection
GT1020-LWLW [White] 5VDC type RS-422 connection
Resolution: 160 x 64 Display colors: Monochrome (black/white) (Tricolor LED (white/pink/red))

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

Hotline: 1900.6536 - Website: HOPLONG.COM * The GT1655-VNBD, GT1655-VTBD, GT1665HS-VTBD, GT1450, GT1200-VNBD and GT1030 high contrast products (GT1030-H□□□) are not supported by the screen design software GT-Works2/ GT-Designer2.

General specifications

- *1 : The maximum operating ambient temperature should be 5°C lower than that shown in the table on the left when connecting to a multimedia unit (GT16M-MMR), MELSECNET/H communication unit (GT15-J71LP23-25 or GT15-J71BR13) or CC-Link communication unit (GT15-J61BT13).
- *2 : Do not operate or store the GOT unit in pressurized environments where the pressure exceeds 0m elevation atmospheric pressure, as this could result in abnormal operation.
Do not pressurize inside the control panel for air purge cleaning. The pressure could raise the surface sheet, making the touch panel difficult to operate or causing the sheet to come off.
- *3 : Assuming that the device is connected at some point between a public power distribution network and local system equipment.
Category II applies to devices that are supplied with power from fixed equipment. The surge withstand voltage is 2,500V for devices with ratings up to 300V.
- *4 : Index that indicates the level of foreign conductive matter in the operating environment of the device. Contamination level 2 denotes an environment contaminated only by non-conductive matter which may, under certain conditions, become temporarily conductive due to condensation.
- *5 : 0 to 40°C for GT1665HS
- *6 : Excluding GT1665HS

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

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

Performance specifications

Hotline: 1900 6536 - Website: HONGTECH.COM

Item	Specification							
	GT1695M-XTBA	GT1685M-STBA	GT1675M-STBA GT1675M-VTBA GT1675-VNBA GT1672-VNBA GT1665M-STBA GT1665M-VTBA GT1662-VNBA	GT1695M-XTBD	GT1685M-STBD	GT1675M-STBD GT1675M-VTBD GT1675-VNBD GT1672-VNBD GT1665M-STBD GT1665M-VTBD GT1662-VNBD	GT1655-VTBD	GT1665HS-VTBD
Input power supply voltage	100 to 240VAC (+10%, -15%)			24VDC (+25%, -20%)			24VDC (+10%, -15%)	
Input frequency	50/60Hz ±5%			—				
Input maximum apparent power	150VA (at max. load)	110VA (at max. load)	100VA (at max. load)	—				
Power consumption	64W or less	46W or less	39W or less	60W or less	40W or less	38W or less	16W or less	11.6W or less
With backlight off	38W or less	32W or less	30W or less	30W or less	26W or less	27W or less	14W or less	8.2W or less
Inrush current	28A or less (4ms, at max. load)			12A or less (75ms, at max. load)	12A or less (55ms, at max. load)		67A or less (1ms, at max. load)	30A or less (2ms, at max. load)
Permissible instantaneous failure time	Within 20ms (100VAC or more)			Within 10ms			Within 5ms	
Noise resistance	Noise voltage 1500Vp-p, noise width 1μs by noise simulator with noise frequency 25 to 60Hz			Noise voltage 500Vp-p, noise width 1μs by noise simulator with noise frequency 25 to 60Hz			Noise voltage 1000Vp-p, noise width 1ms by noise simulator with noise frequency 30 to 100Hz	
Withstand voltage	1500VAC for 1 minute between power supply terminal and ground			500VDC for 1 minute between power supply terminal and ground				
Insulation resistance	10MΩ or higher with an insulation resistance tester (500VDC between power supply terminal and ground)							
Applicable wire size	0.75 to 2 [mm ²]							—
Clamp terminal	Clamp terminals for M3 screw RAV1.25-3, V2-S3.3, V2-N3A, FV2-N3A							—
Tightening torque (terminal block's terminal screws)	0.5 to 0.8 [N·m]							—

Performance specifications

Item		Specification			
		GT1665M-VTBA GT1665M-VTBD	GT1662-VNBA GT1662-VNBD	GT1655-VTBD	GT1665HS-VTBD
Display *1	Type	TFT color LCD (high-brightness, wide viewing angle)	TFT color LCD	TFT color LCD (high-brightness, wide viewing angle)	
	Screen size	8.4"		5.7"	6.5"
	Resolution	VGA: 640 × 480 [dots]			
	Display size	171(W) × 128(H)[mm]		115(W) × 86(H)[mm]	132.5(W) × 99.4(H)[mm]
	No. of displayed characters	16-dot standard font: 40 chars. × 30 lines (2-byte) 12-dot standard font: 53 chars. × 40 lines (2-byte)			
	Display colors	65,536 colors	16 colors	65,536 colors	
	View angle*2	Right/left: 80°; Up: 80°; Down: 60°	Right/left: 45°; Up/Down: 20°	Up/down/right/left: 80°	Right/left: 80°; Up: 60°; Down: 80°
	Intensity	600 [cd/m²]	200 [cd/m²]	350 [cd/m²]	550 [cd/m²]
	Intensity adjustment	8-step adjustment	4-step adjustment	8-step adjustment	
	Life	Approx. 43,000 hours (operating ambient temperature: 25°C)	Approx. 52,000 hours (operating ambient temperature: 25°C)	Approx. 50,000 hours (operating ambient temperature: 25°C)	Approx. 41,000 hours (operating ambient temperature: 25°C)
Backlight		Cold-cathode fluorescent tube (replaceable), with backlight OFF detection function. Backlight off time and screen save time can be set.			
	Life*3	Approx. 50,000 hours or more (Time for display intensity reaches 50% at operating ambient temperature of 25°C)	Approx. 40,000 hours or more	Approx. 70,000 hours or more	—
Touch panel *10	Type	Analog resistive type			
	Key size	Min. 2 × 2 [dots] (per key)			
Human sensor	No. of simultaneous touch points	Simultaneous touch prohibited*11 (if two or more points are pressed simultaneously, the switch may function near the center of the pressed points.)			
	Life*11	1,000,000 times or more (operating force 0.98N or less)			
	Detection distance	—			
	Detection range	—			
Memory *5	C drive	15MB built-in flash memory (for saving project data and OS)	11MB built-in flash memory (for saving project data and OS)	15MB built-in flash memory (for saving project data and OS)	
	Life (No. of writings)	100,000 times			
Internal clock accuracy		3.47 to 8.38 secs/day (operating ambient temperature: 25°C)*12	-3.61 to 2.16 sec/day (operating ambient temperature: 25°C)*12	3.47 to 8.38 sec/day (operating ambient temperature: 25°C)*12	
		GT15-BAT type lithium battery		GT11-SOBAT type lithium battery	GT15-BAT type lithium battery
Battery	Backed up data	Clock data, maintenance time notification data, system log data and SRAM user area (500KB)			
	Life	Approx. 5 years (operating ambient temperature: 25°C)			
Built-in interface	RS-232*7	RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male) Application: Communication with connected devices, connection to personal computer (project data read/write, OS installation, FA transparent function)			RS-232, RS-422/485, 1ch, each (When using, select one of the channels). Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: Square, 42-pin (male) Application: Communication with connected devices
	RS-422/485	RS-422/485, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: 14-pin (female) Application: Communication with connected devices			Application: Communication with connected devices
	Ethernet	Data transfer system: 100BASE-TX, 10BASE-T, 1ch Connector shape: RJ-45 (modular jack) Application: Communication with connected devices, gateway function, connection to personal computer (project data read/write, OS installation, FA transparent function, MES interface function)			Data transfer system: 100BASE-TX, 10BASE-T, 1ch Connector shape: Square, 42-pin (male) Application: Communication with connected devices, gateway function, connection to personal computer (project data read/write, OS installation, FA transparent function)
	USB	USB (full-speed 12Mbps), host 1ch Connector shape: TYPE-A Application: USB mouse/keyboard connection, USB memory data transfer and storage FAT16 format: max. 2GB, FAT32 format: max. 32GB*13			USB full-speed 12Mbps, host 1ch Connector shape: TYPE-A Application: USB memory data transfer and storage FAT16 format: max. 2GB FAT32 format: max. 32GB*13
		USB (full-speed 12Mbps), device 1ch Connector shape: Mini-B Application: Connection to personal computer (project data read/write, OS installation, FA transparent function)			
	CF card	Compact flash slot, 1ch Connector shape: TYPE I Application: Data transfer, data storage, GOT startup FAT16 format: max. 2GB, FAT32 format: max. 32GB*13			
	Optional function board	1ch for optional function board installation			—
	Extension unit*7	2ch for communication unit/optional unit installation			—
Buzzer output		Single tone (tone length adjustable)			
Protective construction		Front: IP67*8 In panel: IP2X			IP65*9 (when external connection cable is connected)
External dimensions		241(W) × 190(H) × 52(D)[mm]		267(W) × 135(H) × 60(D)[mm]	201(W) × 230(H) × 97(D)[mm]
Panel cut dimensions (Weight, excl. mounting bracket)		227(W) × 162(H)[mm] 1.7[kg]		153(W) × 121(H)[mm] 1.0[kg]	— 1.2[kg] (main unit only)
Applicable software packages		GT Works3 Version1.54G or later GT Works3 Version1.54G or later (not supported by GT Works2/GT Designer)			

GT1695/GT1685/GT167/GT166/GT165S

- Reset switch
- S.MODE (OS installation switch)
- CF card interface
- Battery holder
- CF card access LED
- CF card access switch
- Dip switch for setting terminal resistance (inside cover)
- Extension interface (GT165S left side only)
- Video/RGB interface (excluding GT161, VMB1, GT165S)
- Optional function board interface
- Human sensor (GT1695, GT1685 only)
- POWER LED
- USB interface (device)
- USB interface (host)
- RS-232 interface
- Ethernet interface
- RS-422/485 interface
- Power supply terminal
- Display, touch key
- Hook for wall mounting
- Hand strap
- Grip switch
- External interface
- Rear face protective cover
- RS-232 interface
- RS-422/485 interface
- Dip switch for setting terminal resistance
- Battery (All inside cover)

*This illustration shows GT1695.

GT1665HS (Handy)

- Interface protective cover
- Reset switch
- S.MODE (OS installation switch)
- Key type selector switch
- CF card interface
- CF card access LED
- CF card access switch
- Emergency stop switch
- Display, touch key
- POWER LED
- Operation switches (6 switches)

- | | | | | | | | |
|-------|---------------|----------------------------------|---------------------------|------|-------------|------------------------|-------------------------------------|
| INDEX | For Designers | For Initial Startup & Operations | For Maintenance Personnel | GT10 | IQ Platform | MEISEC Process Control | Specifications, External Dimensions |
|-------|---------------|----------------------------------|---------------------------|------|-------------|------------------------|-------------------------------------|

Specifications

GT15

General specifications

Item		Specification				
Operating ambient temperature*1	Display	0°C to 50°C				
	Other than display	0°C to 55°C				
Storage ambient temperature		-20°C to 60°C				
Operating ambient humidity*2		10 to 90%RH, no condensation				
Storage ambient humidity*2		10 to 90%RH, no condensation				
Vibration resistance*3	Conforming to JIS B 3502 and IEC 61131-2		Frequency	Acceleration	Half amplitude	Sweep count
		Under intermittent vibration	5 to 8.4Hz	—	3.5mm	10 times each in X, Y and Z directions
			8.4 to 150Hz	9.8m/s ²	—	—
		Under continuous vibration	5 to 8.4Hz	—	1.75mm	—
8.4 to 150Hz	4.9m/s ²		—	—		
Impact resistance		Conforming to JIS B 3502 and IEC 61131-2 (147m/s ² , 3 times each in X, Y and Z directions)				
Operating atmosphere		No oily smoke, corrosive gas or combustible gas, less conductive dust, away from direct sunlight (the same in storage)				
Operating altitude*4		2000m or less				
Installation location		In control panel				
Overvoltage category*5		Ⅱ or lower				
Contamination level*6		2 or less				
Cooling method		Self-cooling				
Grounding		Type D grounding (100Ω or less). Connect to panel if unable to ground.				

*1 : The maximum operating ambient temperature should be 5°C lower than that shown in the table on the left when connecting to a MELSECNET/H communication unit (GT15-J71LP23-25 or GT15-J71BR13) or CC-Link communication unit (GT15-J61BT13).

*2 : Water bulb temperature for STN display type must be 39°C or lower.

*3 : Refer to the Communication Unit User's Manual for vibration resistance specifications when using the MELSECNET/H communication unit (GT15-J71LP23-Z or GT15-J71BR13-Z) or CC-Link communication unit (GT15-J75J61BT13-Z). (The specifications of communication units are different from those of the GOT main unit.)

*4 : Do not operate or store the GOT unit in pressurized environments where the pressure exceeds 0m elevation atmospheric pressure, as this could result in abnormal operation.

*5 : Assuming that the device is connected at some point between a public power distribution network and local system equipment.

*6 : Index that indicates the level of foreign conductive matter in the operating environment of the device.

Contamination level 2 denotes an environment contaminated only by non-conductive matter which may, under certain conditions, become temporarily conductive due to condensation.

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

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

Performance specifications

Item		Specification										
		GT1595-XTBA GT1595-XTBD	GT1585V-STBA GT1585V-STBD GT1585-STBA GT1585-STBD	GT1575V-STBA GT1575V-STBD GT1575-STBA GT1575-STBD	GT1575-VTBA GT1575-VTBD	GT1575-VNBA GT1575-VNBD	GT1572-VNBA GT1572-VNBD	GT1565-VTBA GT1565-VTBD	GT1562-VNBA GT1562-VNBD			
Display *1	Type	TFT color LCD (high-brightness, wide viewing angle)				TFT color LCD		TFT color LCD (high-brightness, wide viewing angle)	TFT color LCD			
	Screen size	15"		12.1"		10.4"		8.4"				
	Resolution	XGA: 1024 × 768 [dots]		SVGA: 800 × 600 [dots]		VGA: 640 × 480 [dots]						
	Display size	304.1(W) × 228.1(H) [mm]		246(W) × 184.5(H) [mm]		211(W) × 158(H) [mm]		171(W) × 128(H) [mm]				
	No. of displayed characters	16-dot standard font: 64 chars. × 48 lines (2-byte) 12-dot standard font: 85 chars. × 64 lines (2-byte)		16-dot standard font: 50 chars. × 37 lines (2-byte) 12-dot standard font: 66 chars. × 50 lines (2-byte)		16-dot standard font: 40 chars. × 30 lines (2-byte) 12-dot standard font: 53 chars. × 40 lines (2-byte)						
	Display colors	65,536 colors				256 colors		16 colors		65,536 colors	16 colors	
	View angle*3	Right/left: 75°, Up: 50°, Down: 60°		GT1585V Right/left: 60°, Up: 40°, Down: 50° GT1585 Right/left: 65°, Up: 45°, Down: 55°		Right/left/up/down: 85°		Right/left: 45°, Up: 30°, Down: 20°		Right/left: 65°, Up: 50°, Down: 60°	Right/left: 45°, Up: 20°, Down: 20°	
	Contrast adjustment	-										
	Intensity	450 [cd/m ²]		GT1585V: 350 [cd/m ²] GT1585: 400 [cd/m ²]		400 [cd/m ²]		380 [cd/m ²]		200 [cd/m ²]	380 [cd/m ²]	150 [cd/m ²]
	Intensity adjustment	8-step adjustment				4-step adjustment		8-step adjustment		4-step adjustment		
Life	Approx. 52,000 hours (operating ambient temperature: 25°C)		Approx. 50,000 hours (operating ambient temperature: 25°C)		Approx. 41,000 hours (operating ambient temperature: 25°C)							
Backlight		Cold-cathode fluorescent tube (replaceable), with backlight OFF detection function. Backlight off time and screen save time can be set.										
Life*4	Approx. 50,000 hours or more		Approx. 40,000 hours or more									
	(Time for display intensity reaches 50% at operating ambient temperature of 25°C)											
Touch panel *3	Type	Analog resistive type		Matrix resistive type								
	No. of touch keys	-		1900 keys/screen (38 lines × 50 columns)		1200 keys/screen (30 lines × 40 columns)						
	Key size	Min. 2 × 2 [dots] (per key)		Min. 16 × 16 [dots] (per key) (16 × 8 only on lowermost line)		Min. 16 × 16 [dots] (per key)						
	No. of simultaneous touch points	Simultaneous touch prohibited*5 (1 point only)		Max. 2 points								
	Life	1,000,000 times or more (operating force 0.98N or less)*10										
Human sensor	Detection distance	1 [m]		-								
	Detection range	Right/left/up/down: 70°		-								
	Detection delay time	0 to 4 [sec]		-								
	Detection temperature	Temperature difference to be 4°C or more between human body and ambient air		-								
Memory *6	C drive	9MB built-in flash memory (for saving project data and OS)				5MB built-in flash memory (for saving project data and OS)		9MB built-in flash memory (for saving project data and OS)		5MB built-in flash memory (for saving projectdata and OS)		
	Life (No. of writings)	100,000 times										
Battery	GT15-BAT type lithium battery (optional)											
	Backed up data	Clock data and maintenance time notification data										
	Life	Approx. 5 years (operating ambient temperature: 25°C)										
Built-in interface	RS-232*8	RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male) Application: Communication with connected devices, connection to personal computer (project data read/write, OS installation, FA transparent function)										
	USB	USB (full-speed 12Mbps), device 1ch Connector shape: Mini-B Application: Connection to personal computer (project data read/write, OS installation, FA transparent function)										
	CF card	Compact flash slot, 1ch Connector shape: TYPE I Application: Data transfer, data storage, GOT startup FAT16 format: max. 2GB, FAT32 format: not usable										
	Optional function board	1ch for optional function board installation										
	Extension unit*9	2ch for communication unit/optional unit installation										
Buzzer output		Single tone (tone length adjustable)										
Protective construction		Front: IP67*7 In panel: IP2X										
External dimensions (without USB port cover)		397(W) × 296(H) × 61(D) [mm]		316(W) × 242(H) × 52(D) [mm]		303(W) × 214(H) × 49(D) [mm]		241(W) × 190(H) × 52(D) [mm]				
Panel cut dimensions		383.5(W) × 282.5(H) [mm]		302(W) × 228(H) [mm]		289(W) × 200(H) [mm]		227(W) × 176(H) [mm]				
Weight (excl. mounting brackets)		5.0 [kg]		2.8 [kg]		GT1575V: 2.3 [kg] GT1575: 2.4 [kg]		2.4 [kg]		2.3 [kg]		1.9 [kg]
Applicable software package		GT Work3 Version1.54G or later										

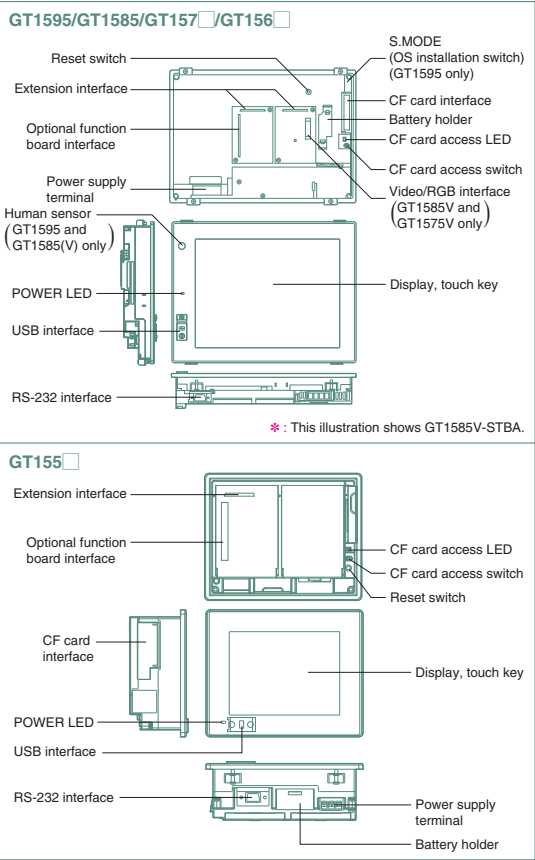
Power supply specifications

Item	Specification									
	GT1595-XTBA	GT1585V-STBA GT1585-STBA	GT1575V-STBA GT1575-STBA GT1575-VTBA GT1575-VNBA GT1572-VNBD GT1565-VTBA GT1562-VNBA	GT1595-XTBD	GT1585V-STBD GT1585-STBD	GT1575V-STBD GT1575-STBD GT1575-VTBD GT1575-VNBD GT1572-VNBD GT1565-VTBD GT1562-VNBD	GT1555-VTBD	GT1555-QTBD	GT1555-QSBD	GT1550-QLBD
Input power supply voltage	100 to 240VAC (+10%, -15%)			24VDC (+25%, -20%)						
Input frequency	50/60Hz ±5%			—						
Input maximum apparent power	110VA (at max. load)			—						
Power consumption	56W or less	41W or less	39W or less	57W or less (2380mA/24VDC)	43W or less (1790mA/24VDC)	41W or less (1710mA/24VDC)	19W or less (790mA/24VDC)	18W or less (750mA/24VDC)	17W or less (710mA/24VDC)	15W or less (620mA/24VDC)
With backlight off	30W or less	28W or less	28W or less	32W or less (1330mA/24VDC)	30W or less (1250mA/24VDC)	30W or less (1250mA/24VDC)	14W or less (580mA/24VDC)	13W or less (540mA/24VDC)		
Inrush current	50A or less (4ms, at max. load)	45A or less (4ms, at max. load)	40A or less (4ms, at max. load)	100A or less (4ms, at max. load)	115A or less (1ms, at max. load)	115A or less (1ms, at max. load)	67A or less (1ms, at max. load)	60A or less (1ms, at max. load)		
Permissible instantaneous failure time	Within 20ms (100VAC or more)			Within 10ms						
Noise resistance	Noise voltage 1500Vp-p, noise width 1μs by noise simulator with noise frequency 25 to 60Hz			Noise voltage 500Vp-p, noise width 1μs by noise simulator with noise frequency 25 to 60Hz						
Withstand voltage	1500VAC for 1 minute between power supply terminal and ground			500VDC for 1 minute between power supply terminal and ground						
Insulation resistance	10MΩ or higher with an insulation resistance tester (500VDC between power supply terminal and ground)									
Applicable wire size	0.75 to 2 [mm ²]									
Clamp terminal	Clamp terminals for M3 screw RAV1.25-3, V2-S3.3, V2-N3A, FV2-N3A									
Tightening torque (terminal block's terminal screws)	0.5 to 0.8 [N·m]									

Performance specifications

Item		Specification			
		GT1555-VTBD	GT1555-QTBD	GT1555-QSBD	GT1550-QLBD
Display *1 *2	Type	TFT color LCD (high-brightness, wide viewing angle)		STN color LCD	STN monochrome (black/white) LCD
	Screen size	5.7"			
	Resolution	VGA: 640 × 480 [dots]		QVGA: 320 × 240 [dots]	
	Display size	115(W) × 86(H) [mm]			
	No. of displayed characters	16-dot standard font: 40 chars. × 30 lines (2-byte) 12-dot standard font: 53 chars. × 40 lines (2-byte)	16-dot standard font: 20 chars. × 15 lines (2-byte) 12-dot standard font: 26 chars. × 20 lines (2-byte)		
	Display colors	65,536 colors		4,096 colors	Monochrome (black/white) 16 gray scale
	View angle*3	Right/left: 80°, Up: 80°, Down: 70°	Right/left: 70°, Up: 70°, Down: 50°	Right/left: 55°, Up: 65°, Down: 70°	Right/left: 45°, Up: 20°, Down: 40°
	Contrast adjustment	—		16-step adjustment	
	Intensity	350 [cd/m ²]	400 [cd/m ²]	380 [cd/m ²]	220 [cd/m ²]
	Intensity adjustment	8-step adjustment			
Life	Approx. 50,000 hours (operating ambient temperature: 25°C)				
	Cold-cathode fluorescent tube (not replaceable), with backlight OFF detection function. Backlight off time and screen save time can be set.				
Backlight	Life*4	Approx. 75,000 hours or more (Time for display intensity reaches 50% at operating ambient temperature of 25°C)		Approx. 58,000 hours or more	
	Type	Matrix resistive type			
Touch panel *5	No. of touch keys	1200 keys/screen (30 lines × 40 columns)	300 keys/screen (15 lines × 20 columns)		
	Key size	Min. 16 × 16 [dots] (per key)			
	No. of simultaneous touch points	Max. 2 points			
	Life	1,000,000 times or more (operating force 0.98N or less)			
Human sensor	Detection distance	—			
	Detection range	—			
	Detection delay time	—			
	Detection temperature	—			
Memory *6	C drive	9MB built-in flash memory (for saving project data and OS)			
	Life (No. of writings)	100,000 times			
Battery		GT15-BAT type lithium battery (optional)			
	Backed up data	Clock data and maintenance time notification data			
	Life	Approx. 5 years (operating ambient temperature: 25°C)			
	RS-232*8	RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male) Application: Communication with connected devices, connection to personal computer (project data read/write, OS installation, FA transparent function)			
Built-in interface	USB	USB (full-speed 12Mbps), device 1ch Connector shape: Mini-B Application: Connection to personal computer (project data read/write, OS installation, FA transparent function)			
	CF card	Compact flash slot, 1ch Connector shape: TYPE I Application: Data transfer, data storage, GOT startup FAT16 format: max. 2GB, FAT32 format: not usable			
	Optional function board	1ch for optional function board installation			
	Extension unit*9	1ch for communication unit/optional unit installation			
Buzzer output	Single tone (tone length adjustable)				
Protective construction	Front: IP67*7 In panel: IP2X				
External dimensions (without USB port cover)	167(W) × 135(H) × 60(D) [mm]				
Panel cut dimensions	153(W) × 121(H) [mm]				
Weight (excl. mounting brackets)	1.1 [kg]				
Applicable software package or OS: Windows3 Version1.54G or later					

Component names



- *1 : On LCD panels, bright dots (permanently lit) and

Specifications

GT14

General specifications

Item		Specification					
Operating ambient temperature	Display	0°C to 50°C					
	Other than display	0°C to 55°C (horizontal installation), 0°C to 50°C (vertical installation)					
Storage ambient temperature		-20°C to 60°C					
Operating ambient humidity*1		10 to 90%RH, no condensation					
Storage ambient humidity*1		10 to 90%RH, no condensation					
Vibration resistance	Conforming to JIS B 3502 and IEC 61131-2	Under intermittent vibration	Frequency	Acceleration	Half amplitude	Sweep count	
			5 to 8.4Hz	—	3.5mm	10 times each in X, Y and Z directions	
		Under continuous vibration	8.4 to 150Hz	9.8m/s ²	—		—
			5 to 8.4Hz	—	1.75mm		
Impact resistance		Conforming to JIS B 3502 and IEC 61131-2 (147m/s ² , 3 times each in X, Y and Z directions)					
Operating atmosphere		Free from oil mist, corrosive gases, flammable gases and excessive conductive dusts or direct sun beams (The same applies to unit storage.)					
Operating altitude*2		2000m or less					
Installation location		In control panel					
Overvoltage category*3		II or lower					
Contamination level*4		2 or less					
Cooling method		Self-cooling					
Grounding		Type D grounding (100Ω or less). Connect to panel if unable to ground.					

- *1 : Water bulb temperature for STN display type must be 39°C or lower.
*2 : Do not operate or store the GOT unit in pressurized environments where the pressure exceeds 0m elevation atmospheric pressure, as this could result in abnormal operation.
Do not pressurize inside the control panel for air purge cleaning. The pressure could raise the surface sheet, making the touch panel difficult to operate or causing the sheet to come off.
*3 : Assuming that the device is connected at some point between a public power distribution network and local system equipment. Category II applies to devices that are supplied with power from fixed equipment. The surge withstand voltage is 2500V for devices with ratings up to 300V.
*4 : Index that indicates the level of foreign conductive matter in the operating environment of the device. Contamination level 2 denotes contamination by non-conductive matter only, though momentary conductivity may occur due to occasional condensation.

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

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

Performance specifications

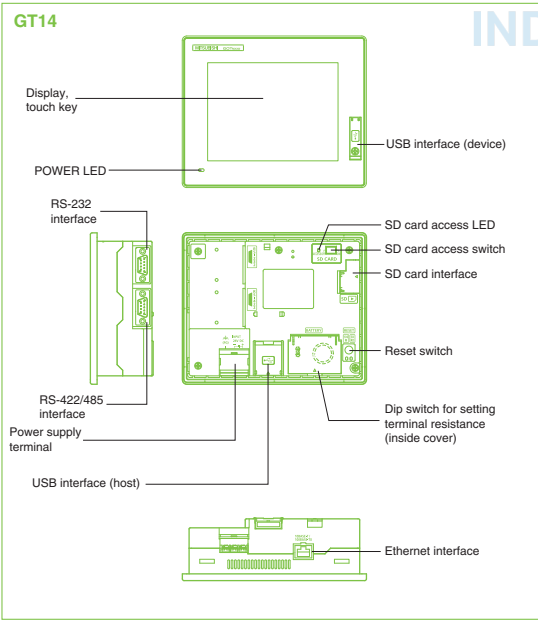
Item		Specification	
		GT1455-QTBDE	GT1450-QLBDE
Display*1	Type	TFT color LCD	STN monochrome (black/white) LCD
	Screen size	5.7"	
	Resolution	OVGA: 320 × 240 [dots]	
	Display size	115(W) × 86(H) [mm] (in horizontal display mode)	
	No. of displayed characters	16-dot standard font: 20 chars. × 15 lines (2-byte) (in horizontal display mode) 12-dot standard font: 26 chars. × 20 lines (2-byte) (in horizontal display mode)	
	Display colors	65536 colors	Monochrome (black/white) 16 gray scale
	View angle*2	Right/left: 80°, Up: 80°, Down: 60° (in horizontal display mode)	Right/left: 45°, Up: 20°, Down: 40° (in horizontal display mode)
	Contrast adjustment	—	32-step adjustment
	Intensity	400 [cd/m ²]	300 [cd/m ²]
	Intensity adjustment	8-step adjustment	
Life	Approx. 50,000 hours (Time for display contrast reaches 20% at operating ambient temperature of 25°C)		
	LED (not replaceable) with backlight OFF detection function. Backlight off time and screen save time can be set.		
	Approx. 75,000 hours or more (Time for display intensity reaches 50% at operating ambient temperature of 25°C)		
Touch panel	Type	Analog resistive type	
	Key size	Min. 2 × 2 [dots] (per key)	
	No. of simultaneous touch points	Simultaneous touch prohibited*4 (If two or more points are pressed simultaneously, the switch may function near the center of the pressed point.)	
	Life	1,000,000 times or more (operating force 0.98N or less)	
Memory	C drive*5	9MB built-in flash memory (for saving project data and OS)	
	Life (No. of writings)	100,000 times	
	D drive	512KB built-in SRAM (for battery backup)	
		GT11-50BAT type lithium battery	
Battery	Backed up data	Clock data, alarm history, recipe data, time action set values, advanced alarm, advanced recipe, logging, hardcopy, SRAM user area	
	Life	Approx. 5 years (operating ambient temperature: 25°C)	
	RS-422/485	RS-422/485, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (female) Application: Communication with connected devices Terminal resistance*6: OPEN/110Ω /330Ω (switching by terminal resistance transfer switch)	
	RS-232	RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male) Application: Communication with connected devices, connection to barcode reader/RFID, connection to personal computer (project data read/write, OS installation, FA transparent function)	
	Ethernet	Data transfer system: 100BASE-TX, 10BASE-T, 1ch Connector shape: RJ-45 (modular jack) Application: Communication with connected devices, gateway function, connection to personal computer (project data read/write, OS installation, FA transparent function)	
	USB	USB (full-speed 12Mbps), host 1ch Connector shape: TYPE-A Application: USB mouse/keyboard connection, USB memory data transfer and storage FAT16 format: max. 2GB, FAT32 format: max. 32GB	
		USB (full-speed 12Mbps), device 1ch Connector shape: Mini-B Application: Connection to personal computer (project data read/write, OS installation, FA transparent function)	
	SD card	Complied with SD standard, 1ch, Supported memory card: SDHC memory card, SD memory card Application: project data read/write, OS installation, logging data storage FAT16 format: max. 2GB, FAT32 format: max. 32GB	
	Buzzer output	Single tone (tone length adjustable)	
	Protective construction	Front: IP67*7	
External dimensions	164(W) × 135(H) × 55(D) [mm]		
Panel cut dimensions	153(W) × 121(H) [mm]		
Weight (excl. mounting brackets)	0.7kg		
Applicable software packages	GT Works3 Version1.54G or later (not supported by GT Works2/GT Designer2)		

- *1 : On LCD panels, bright dots (permanently lit) and black dots (never lit) generally appear. Because the number of display elements that exist on an LCD panel is large, it is not possible to reduce appearance of the bright and black dots to zero. Flickering may occur depending on the display colors.
Note that the existence of bright and black dots is a standard characteristic of LCD panels, and it does not mean that the products are defective or damaged.
Displaying one single screen for a long time can lead to burn-in, causing afterimages or image irregularities that could not disappear. Use the screen saver that is effective to prevent burn-in.
*2 : LCD panels have characteristics of tone reversal. Therefore, avoid touching 2 points on the screen simultaneously.
*3 : The memory is ROM that permits overwriting of new data without having to delete the existing data.
*4 : In the case of GOT multi-drop connection, set the terminal resistance transfer switch on the GOT main unit according to the connection configuration.
*5 : This does not guarantee protection in all users' environments. The specification is not applied when the interface protective cover and rear face protective cover are removed. The unit may not be used in an environment where it is exposed to splashing oil or chemicals for a long time or soaked with oil mist.

Power supply specifications

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

Component names



GT12

General specifications

Item		Specification					
Operating ambient temperature	Display	0°C to 50°C					
	Other than display	0°C to 55°C					
Storage ambient temperature		-20°C to 60°C					
Operating ambient humidity		10 to 90%RH, no condensation					
Storage ambient humidity		10 to 90%RH, no condensation					
Vibration resistance	Conforming to JIS B 3502 and IEC 61131-2	Under intermittent vibration	Frequency	Acceleration	Half amplitude	Sweep count	
			5 to 8.4Hz	—	3.5mm	10 times each in X, Y and Z directions	
		Under continuous vibration	8.4 to 150Hz	9.8m/s ²	—		
			5 to 8.4Hz	—	1.75mm		
		8.4 to 150Hz	4.9m/s ²	—	—		
Impact resistance		Conforming to JIS B 3502 and IEC 61131-2 (147m/s ² , 3 times each in X, Y and Z directions)					
Operating atmosphere		No oily smoke, corrosive gas or combustible gas, less conductive dust, away from direct sunlight (the same in storage)					
Operating altitude*1		2,000m or lower					
Installation location		In control panel					
Overvoltage category*2		II or lower					
Contamination level*3		2 or less					
Cooling method		Self-cooling					
Grounding		Type D grounding (100Ω or less). Connect to panel if unable to ground.					

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

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

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

Performance specifications

Item		Specification	
		GT1275-VNBA GT1275-VNBD	GT1265-VNBA GT1265-VNBD
Display *1	Type	TFT color LCD	
	Screen size	10.4"	8.4"
	Resolution	VGA: 640 × 480 [dots]	
	Display size	211.2(W) × 158.4(H) [mm]	170.9(W) × 128.2(H) [mm]
	No. of displayed characters	16-dot standard font: 40 chars. × 30 lines (2-byte) 12-dot standard font: 53 chars. × 40 lines (2-byte)	
	Display colors	256 colors	
	View angle*2	Right/left: 45°, Up/down: 20°	
	Intensity	200 [cd/m ²]	
Intensity adjustment	4-step adjustment		
Backlight	Life	Approx. 52,000 hours (operating ambient temperature: 25°C)	
	Life*3	Cold-cathode fluorescent tube (replaceable), 1CCFL light 50,000 hours or more (at standard lamp current = 6.0 [mA]) 40,000 hours or more (at standard lamp current = 7.0 [mA]) (Time for display intensity reaches 50% at operating ambient temperature of 25°C)	
Touch panel *7	Type	Analog resistive type	
	Key size	Min. 2 × 2 [dots] (per key)	
	No. of simultaneous touch points	Simultaneous touch prohibited*4 (If two or more points are pressed simultaneously, the switch may function near the center of the pressed points.)	
	Life*8	1,000,000 times or more (operating force 0.98N or less)	
Human sensor	Detection distance	—	
	Detection range	—	
	Detection delay time	—	
	Detection temperature	—	
Memory *5	C drive	6MB built-in flash memory (for saving project data and OS)	
	Life (No. of writings)	100,000 times	
Battery	Backed up data	GT11-50BAT type lithium battery (optional) Clock data, alarm history, and recipe data	
	Life	Approx. 5 years (operating ambient temperature: 25°C)	
Built-in interface	RS-232*6	RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male) Application: Communication with connected devices, connection to personal computer (project data read/write, OS installation, FA transparent function)	
	RS-422/485	RS-422/485, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (female) Application: Communication with connected devices	
	Ethernet	Data transfer system: 100BASE-TX, 1ch Connector shape: RJ-45 (modular jack) Application: Communication with connected devices, connection to personal computer (project data read/write, OS installation, FA transparent function)	
	USB	USB (Full Speed 12 Mbps), device 1ch Connector shape: Mini-B Application: Connection to personal computer (project data read/write, OS installation, FA transparent function)	
	CF card	Compact flash slot, 1ch Connector shape: TYPE I Application: Data transfer, data storage, ODT startup FAT16 format: max. 2GB, FAT32 format: not usable	
	Optional function board	—	
	Extension unit*6	—	
Buzzer output	Single tone (tone length adjustable)		
Protective construction	IP67		
External dimensions	303(W) × 214(H) × 53(D)	241(W) × 190(H) × 58(D)	
Panel cut dimensions	289(W) × 200(H) [mm]	227(W) × 176(H) [mm]	
Weight (excl. mounting brackets)	2.3 [kg]	1.7 [kg]	
Applicable software package	GT Work3 Version1.54G or later (not supported by GT Work2/GT Designer2)		

Specifications

GT11 GT10

General specifications

Item		Specification					
Operating ambient temperature	Display	0°C to 50°C ^{*5}					
	Other than display	0°C to 55°C (horizontal installation), 0°C to 50°C (vertical installation) ^{*5}					
Storage ambient temperature		-20°C to 60°C					
Operating ambient humidity ^{*1}		10 to 90%RH, no condensation					
Storage ambient humidity ^{*1}		10 to 90%RH, no condensation					
Vibration resistance	Conforming to JIS B 3502 and IEC 61131-2	Under intermittent vibration	Frequency	Acceleration	Half amplitude	Sweep count	
			5 to 8.4Hz	—	3.5mm	10 times each in X, Y and Z directions	
		Under continuous vibration	8.4 to 150Hz	9.8m/s ²	—		
			5 to 8.4Hz	—	1.75mm		
		8.4 to 150Hz	4.9m/s ²	—	—		
Impact resistance		Conforming to JIS B 3502 and IEC 61131-2 (147m/s ² , 3 times each in X, Y and Z directions)					
Operating atmosphere		Free from oil mist, corrosive gases, flammable gases and excessive conductive dusts or direct sun beams (The same applies to unit storage.)					
Operating altitude ^{*2}		2000m or less					
Installation location		In control panel ^{*6}					
Overvoltage category ^{*3}		Ⅱ or lower					
Contamination level ^{*4}		2 or less					
Cooling method		Self-cooling					
Grounding		Type D grounding (100Ω or less). Connect to panel if unable to ground. ^{*7}					

- ^{*1} : Water bulb temperature for STN display type must be 39°C or lower.
- ^{*2} : Do not operate or store the GOT unit in pressurized environments where the pressure exceeds 0m elevation atmospheric pressure, as this could result in abnormal operation.
- ^{*3} : Assuming that the device is connected at some point between a public power distribution network and local system equipment. Category II applies to devices that are supplied with power from fixed equipment. The surge withstand voltage is 2500V for devices with ratings up to 300V.
- ^{*4} : Index that indicates the level of foreign conductive matter in the operating environment of the device. Contamination level 2 denotes contamination by non-conductive matter only, though momentary conductivity may occur due to occasional condensation.
- ^{*5} : 0 to 40°C for GT115□HS
- ^{*6} : Excluding GT115□HS
- ^{*7} : The 5VDC type requires no grounding.
- Do not use or store the GOT under direct sun light or in an environment with excessively high temperature, dust, humidity or vibration.
- For inquiries relating to products which conform to UL, cUL, and CE directives and shipping directives, please contact your local sales office.

Performance specifications

Item		Specification							
		GT1155-QTBD	GT1155-QSBD	GT1150-QLBD	GT1155-QTBDQ GT1155-QTBDA	GT1155-QSBDQ GT1155-QSBD A	GT1150-QLBDQ GT1150-QLBDA	GT1155HS-QSBD	GT1150HS-QLBD
Display ^{*1}	Type	TFT color LCD	STN color LCD	STN monochrome (black/white) LCD	TFT color LCD	STN color LCD	STN monochrome (black/white) LCD	STN color LCD	STN monochrome (black/white) LCD
	Screen size	5.7"							
	Resolution	QVGA: 320 × 240 [dots]							
	Display size	115(W) × 86(H) [mm] (in horizontal display mode)				115(W) × 86(H) [mm] (in horizontal display mode)			
	No. of displayed characters	16-dot standard font: 20 chars. × 15 lines (2-byte) 12-dot standard font: 26 chars. × 20 lines (2-byte) (in horizontal display mode)							
	Display colors	256 colors		Monochrome (black/white) 16 gray scale	256 colors		Monochrome (black/white) 16 gray scale	256 colors	Monochrome (black/white) 16 gray scale
	View angle	Right/left: 70°, Up: 70°, Down: 50° (in horizontal display mode)	• Right/left: 50°, Up: 50°, Down: 60° (Hardware versions A and B) (In horizontal display mode) • Right/left: 55°, Up: 65°, Down: 70° (Hardware version C or later) (In horizontal display mode)	Right/left: 45°, Up: 20°, Down: 40° (in horizontal display mode)	Right/left: 70°, Up: 70°, Down: 50° (in horizontal display mode)	Right/left: 55°, Up: 65°, Down: 70° (in horizontal display mode)	Right/left: 45°, Up: 20°, Down: 40° (in horizontal display mode)	• Right/left: 50°, Up: 50°, Down: 60° (Hardware versions A and B) • Right/left: 55°, Up: 65°, Down: 70° (Hardware version C or later)	Right/left: 45°, Up: 20°, Down: 40°
	Contrast adjustment	—	16-step adjustment		—		16-step adjustment		
	Intensity	400 [cd/m ²]	• 350 [cd/m ²] (Hardware versions A and B) • 380 [cd/m ²] (Hardware version C or later)		220 [cd/m ²]	400 [cd/m ²]	380 [cd/m ²]	220 [cd/m ²]	• 350 [cd/m ²] (Hardware versions A and B) • 380 [cd/m ²] (Hardware version C or later)
	Intensity adjustment	8-step adjustment							
Backlight	Life	Approx. 50,000 hours (operating ambient temperature: 25°C)							
	Life ^{*2}	Cold-cathode fluorescent tube (not replaceable), with backlight OFF detection function. Backlight off time and screen save time can be set. Approx. 75,000 hours or more Approx. 54,000 hours or more Approx. 75,000 hours or more Approx. 54,000 hours or more Approx. 75,000 hours or more Approx. 54,000 hours or more							
Touch panel	Type	Matrix resistive type							
	No. of touch keys	300 keys/screen (matrix consisting of 15 lines × 20 columns)							
	Key size	Min. 16 × 16 [dots] (per key)							
	No. of simultaneous touch points	Max. 2 points							
	Life	1,000,000 times or more (operating force 0.98N or less)							
Memory	C drive ^{*3}	3MB built-in flash memory (for saving project data and OS)							
	Life (No. of writings)	100,000 times							
	D drive	512KB built-in SRAM (battery backup)							
Battery	Backed up data	GT11-50BAT type lithium battery							
	Life	Clock data, alarm history, recipe data, time action set values Replacement guideline approx. 5 years (operating ambient temperature: 25°C)							
Built-in interface	Bus	—		1ch for QCPU (Q mode)/motion controller CPU (Q series) or 1ch for QnA/ACPU/motion controller CPU (A series) Application: For bus connection of PLC				—	
	RS-422/485	RS-422/485, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (female) Application: Communication with PLCs Terminal resistance ^{*5} : OPEN/110Ω/330Ω (switching by terminal resistance transfer switch)		—		—			
	RS-422/232	—		—		RS-422/232, 1ch (Select one when using.) Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: Round type, 32-pin (male) Application: Communication with connected devices			
	RS-232	RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male) Application: Communication with connected devices, connection to personal computer (project data read/write, OS installation, FA transparent function, etc.)		RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male) Application: Connection to barcode reader/personal computer (project data read/write, OS installation, FA transparent function, etc.)		RS-232, 1ch, Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: Mini-DIN 6-pin (female) Application: Connection to personal computer (project data read/write, OS installation, FA transparent function, etc.)			
	USB	USB (full-speed 12Mbps), device 1ch Connector shape: Mini-B Application: Connection to personal computer (project data read/write, OS installation, FA transparent function)							
	CF card	Compact flash slot, 1ch	Connector shape: TYPE I	Application: Data transfer, data storage, GOT startup		FAT16 format: max. 2GB, FAT32 format: not usable			
	Optional function board	Embedded in main unit							
	Buzzer output	Single tone (tone length adjustable)							
Protective construction ^{*4}	Front: IP67f In panel: IP2X				Front: IP67f In panel: IP2X				IP65f (when external connection cable is connected)
External dimensions (without USB port cover)	164(W) × 135(H) × 56(D) [mm]				167(W) × 135(H) × 65(D) [mm]				176(W) × 220(H) × 93(D) [mm]
Panel cut dimensions	153(W) × 121(H) [mm]				153(W) × 121(H) [mm]				—
Weight	0.7 [kg] (excl. mounting brackets)				0.9 [kg] (excl. mounting brackets)				1.0 [kg] (main unit only)
Applicable software package		GT Works3 Version1.54G or later							

Power supply specifications

Item	Specification								
	GT1155-QTBD GT1155-QSBD GT1155HS-QSBD	GT1150-QLBD GT1150HS-QLBD	GT1155-QTBDQ GT1155-QTBDA	GT1155-QSBDQ GT1155-QSBD A	GT1150-QLBDQ GT1150-QLBDA	GT1055-QSBD	GT1050-QBBD	GT1045-QSBD	GT1040-QBBD
Input power supply voltage	24VDC (+10%, -15%), ripple voltage of 200mV or less								
Input frequency	—								
Input maximum apparent power	—								
Power consumption	9.84W or less (410mA/24VDC)	9.36W or less (390mA/24VDC)	11.16W or less (465mA/24VDC)	9.72W or less (405mA/24VDC)	7.92W or less (330mA/24VDC)	9.84W or less (410mA/24VDC)	9.36W or less (390mA/24VDC)	3.6W or less (150mA/24VDC)	
With backlight off	4.32W or less (180mA/24VDC)	5.04W or less (210mA/24VDC)			4.32W or less (180mA/24VDC)	2.9W or less (120mA/24VDC)			
Inrush current	15A or less (2ms, at max. load)		26A or less (4ms, at max. load)		15A or less (26.4V) 2ms				
Permissible instantaneous failure time	Within 5ms		Within 10ms		Within 5ms				
Noise resistance	Noise voltage 1000Vp-p, noise width 1μs by noise simulator with noise frequency 30 to 100Hz		Noise voltage 500Vp-p, noise width 1μs by noise simulator with noise frequency 25 to 60Hz		Noise voltage 1000Vp-p, noise width 1μs by noise simulator with noise frequency 30 to 100Hz				
Withstand voltage	500VAC for 1 minute between power supply terminal and ground								
Insulation resistance	10MΩ or higher with an insulation resistance tester (500VDC between power supply terminal and ground)								
Applicable wire size	0.75 to 2 [mm ²]*1						Single-wire installation	0.14 to 1.5 [mm ²], AWG26 to AWG16 (single wire) 0.14 to 1.0 [mm ²], AWG26 to AWG16 (stranded wire) 0.25 to 0.5 [mm ²], AWG24 to AWG20 (bar terminal with insulation sleeve)	
Clamp terminal	Clamp terminals for M3 screw RAV1.25-3, V2-N3A, FV2-N3A*1						Two-wire installation	0.14 to 0.5 [mm ²], AWG26 to AWG20 (single wire) 0.14 to 0.2 [mm ²], AWG26 to AWG24 (stranded wire)	
Tightening torque (terminal block's terminal screws)	0.5 to 0.8 [N·m]*1						AI2.5-6BU, AI0.34-6TQ, AI0.5-6WH (made by Phoenix Contact) 0.22 to 0.25 [N·m]		

^{*1} : Excluding GT115□HS

Performance specifications

Item		Specification			
		GT1055-QSBD	GT1050-QBBD	GT1045-QSBD	GT1040-QBBD
Display*1	Type	STN color LCD	STN monochrome (blue/white) LCD	STN color LCD	STN monochrome (blue/white) LCD
	Screen size	5.7"		4.7"	
	Resolution	QVGA: 320 × 240 [dots]			
	Display size	115(W) × 86(H) [mm] (in horizontal display mode)		96(W) × 72(H) [mm] (in horizontal display mode)	
	No. of displayed characters	16-dot standard font: 20 chars. × 15 lines (2-byte), 12-dot standard font: 26 chars. × 20 lines (2-byte) (in horizontal display mode)			
	Display colors	256 colors	Monochrome (blue/white) 16 gray scale	256 colors	Monochrome (blue/white) 16 gray scale
	View angle	Right/left: 55°, Up: 65°, Down: 70° (in horizontal display mode)	Right/left: 45°, Up: 20°, Down: 40° (in horizontal display mode)	Right/left: 50°, Up: 40°, Down: 70° (in horizontal display mode)	Right/left: 45°, Up: 20°, Down: 40° (in horizontal display mode)
	Contrast adjustment	16-step adjustment			
	Intensity	380 [cd/m ²]	260 [cd/m ²]	150 [cd/m ²]	300 [cd/m ²]
Life	Approx. 50,000 hours (Time for display contrast reaches 20% at operating ambient temperature of 25°C)				
Backlight		Cold-cathode fluorescent tube (not replaceable) with backlight OFF detection function. Backlight off time and screen save time can be set.		LED (no need to replace) Backlight off time and screen save time can be set.	
		Approx. 75,000 hours or more	Approx. 54,000 hours or more	—	
	Life*2	(Time for display intensity reaches 50% at operating ambient temperature of 25°C)		—	
Touch panel	Type	Matrix resistive type			
	No. of touch keys	Max. 50 keys/screen			
	Key size	Min. 16 × 16 [dots] (per key)			
Memory	No. of simultaneous touch points	Max. 2 points			
	Life	1,000,000 times or more (operating force 0.98N or less)			
	User memory*3	Built-in flash memory for saving project data (3 MB or less) and OS			
	Life (No. of writings)	100,000 times			
Battery		GT11-50BAT type lithium battery			
	Backed up data	Clock data, alarm history, recipe data, time action set values			
	Life	Replacement guideline approx. 5 years (operating ambient temperature: 25°C)			
Built-in interface	RS-422/485	RS-422/485, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (female) Application: Communication with PLCs Terminal resistance*5: OPEN/110Ω/330Ω (switched by terminal resistance transfer switch)			
	RS-232	RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: D-sub 9-pin (male) Application: Communication with PLCs, connection with barcode readers, communication with personal computers (project data read/write, OS installation, transparent function)			
	USB	USB (full-speed 12Mbps), device 1ch Connector shape: Mini-B Application: Communication with personal computer (project data read/write, OS installation, transparent function)			
	Memory board	For installing memory board (GT10-50FMB) 1ch			
	Buzzer output	Single tone (tone length adjustable/none)			
Protective construction*4		Conforming to IP67f (front panel)			
External dimensions		164(W) × 135(H) × 56(D)[mm]		139(W) × 112(H) × 41(D)[mm]	
Panel cut dimensions		153(W) × 121(H)[mm]		130(+1 -0)(W) × 103(+1 -0)(H)[mm]	
Weight (excl. mounting brackets)		0.7[kg]		0.45[kg]	
Applicable software package		GT Works3 Version1.54G or later			

Specifications

External dimensions

GT10

Power supply specifications

Item	Specification					
	GT1030-HBD	GT1030-HBDW	GT1020-LBD	GT1020-LBDW	GT1030-HBL	GT1020-LBL
	GT1030-HWD	GT1030-HWDW	GT1020-LWD	GT1020-LWDW	GT1030-HWL	GT1020-LWL
	GT1030-HBD2	GT1030-HBDW2	GT1020-LBD2	GT1020-LBDW2	GT1030-HBLW	GT1020-LBLW
GT1030-HWD2		GT1030-HWDW2	GT1020-LWD2	GT1020-LWDW2	GT1030-HWLW	GT1020-LWLW
Input power supply voltage	24VDC (+10%, -15%), ripple voltage of 200mV or less				5VDC (±5%), supplied from PLC communication cable	
Input frequency	—					
Input maximum apparent power	—					
Power consumption	2.2W or less (90mA/24VDC)		1.9W or less (80mA/24VDC)		1.1W or less (220mA/5VDC)	
With backlight off	1.7W or less (70mA/24VDC)		1.2W or less (50mA/24VDC)		0.6W or less (120mA/5VDC)	
Inrush current	18A or less (26.4DCV) 1ms		13A or less (26.4DCV) 1ms		—	
Permissible instantaneous failure time	Within 5ms				—	
Noise resistance	Noise voltage 1000Vp-p, noise width 1μs by noise simulator with noise frequency 30 to 100Hz					
Withstand voltage	500VAC for 1 minute between power supply terminal and ground				—	
Insulation resistance	10MΩ or higher with an insulation resistance tester (500VDC between power supply terminal and ground)				—	
Applicable wire size	Single-wire installation	0.14 to 1.5mm ² , AWG26 to AWG16 (single wire), 0.14 to 1.0mm ² , AWG26 to AWG16 (stranded wire), 0.25 to 0.5mm ² , AWG24 to AWG20 (bar terminal with insulation sleeve)				
	Two-wire installation	0.14 to 0.5mm ² , AWG26 to AWG20 (single wire), 0.14 to 0.2mm ² , AWG26 to AWG24 (stranded wire)				
Clamp terminal	AI2.5-6BU, AI0.34-6TQ, AI0.5-6WH (made by Phoenix Contact)					
Tightening torque (terminal block's terminal screws)	0.22 to 0.25 [N·m]					

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

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

Performance specifications

Item		Specification							
		GT1030-HBD GT1030-HWD GT1030-HBL GT1030-HWL	GT1030-HBDW GT1030-HWDW GT1030-HBLW GT1030-HWLW	GT1030-HBD2 GT1030-HWD2	GT1030-HBDW2 GT1030-HWDW2	GT1020-LBD GT1020-LWD GT1020-LBL GT1020-LWL	GT1020-LBDW GT1020-LWDW GT1020-LBLW GT1020-LWLW	GT1020-LBD2 GT1020-LWD2	GT1020-LBDW2 GT1020-LWDW2
Display*	Type	STN monochrome (black/white) LCD							
	Screen size	4.5"				3.7"			
	Resolution	288 × 96 [dots] (in horizontal mode)				160 × 64 [dots] (in horizontal mode)			
	Display size	109.42(W) × 35.98(H)[mm](in horizontal mode)				86.4(W) × 34.5(H)[mm](in horizontal mode)			
	No. of displayed characters	16-dot standard font: 36 chars. × 6 lines (1-byte) or 18 chars. × 6 lines (2-byte) (in horizontal mode) 12-dot standard font: 48 chars. × 8 lines (1-byte) or 24 chars. × 8 lines (2-byte) (in horizontal mode)				16-dot standard font: 20 chars. × 4 lines (1-byte) or 10 chars. × 4 lines (2-byte) (in horizontal mode)			
	Display colors	Monochrome (black/white)							
	View angle	Right/left: 30°, Up: 20°, Down: 30°(in horizontal display mode)							
	Contrast adjustment	16-step adjustment							
	Intensity	200 [cd/m ²] (in green)	500 [cd/m ²] (in white)	200 [cd/m ²] (in green)	500 [cd/m ²] (in white)	200 [cd/m ²] (in green)	300 [cd/m ²] (in white)	200 [cd/m ²] (in green)	300 [cd/m ²] (in white)
Intensity adjustment	8-step adjustment				-				
Life	Approx. 50,000 hours (Time for display contrast reaches 20% at operating ambient temperature of 25°C)								
Backlight	Color	3-color LED (green, orange and red) (no need to replace)	3-color LED (white, pink and red) (no need to replace)	3-color LED (green, orange and red) (no need to replace)	3-color LED (white, pink and red) (no need to replace)	3-color LED (green, orange and red) (no need to replace)	3-color LED (white, pink and red) (no need to replace)	3-color LED (green, orange and red) (no need to replace)	3-color LED (white, pink and red) (no need to replace)
	Function	Status control (color, on/flashing/off) is available and screen save time setting can be set. PLC can control color and status of backlight based on system information.							
Touch panel	Type	Matrix resistive type				Analog resistive type			
	No. of touch keys	Max. 50 keys/screen				Impossible			
	Key size	Min. 16 × 16 [dots] (per key)				Min. 2 × 2 [dots] (per key)			
	No. of simultaneous touch points	Max. 2 points				(If there is a switch near the center of the pressed keys, the switch may function.)			
Memory	Life	1,000,000 times or more (operating force 0.98N or less)							
	User memory*	Built-in flash memory for saving project data (1.5MB or less) and OS				Built-in flash memory for saving project data (512KB or less), OS, alarm history, recipe data, time action set values			
	Life (No. of writings)	100,000 times							
Battery		GT11-50BAT type lithium battery						-	
	Backed up data	Clock data, alarm history, recipe data, time action set values						-	
Built-in interface	Life	Replacement guideline approx. 5 years (operating ambient temperature: 25°C)						-	
	For communication with PLC	GT1030-HBD/HWD, GT1030-HBDW/HWDW RS-422/485, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: Connector terminal block, 9-pin Application: Communication with PLC	RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: Connector terminal block, 9-pin Application: Communication with PLC			GT1020-LBD/LWD, GT1020-LBDW/LWDW RS-422/485 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: Connector terminal block, 9-pin Application: Communication with PLC		RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: Connector terminal block, 9-pin Application: Communication with PLC	
		GT1030-HBL/HWL, GT1030-HBLW/HWLW RS-422, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: Connector terminal block, 9-pin Application: Communication with PLC				GT1020-LBL/LWL, GT1020-LBLW/LWLW RS-422 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: Connector terminal block, 9-pin Application: Communication with PLC			
	For communication with personal computer	RS-232, 1ch Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: Mini DIN 6-pin (female) Application: Communication with personal computer (project data read/write, OS installation, transparent function)							
		Buzzer output	Single tone (tone length adjustable/none) Conforming to IP67 (front panel)						
	Protective construction*								
External dimensions	145(W) × 76(H) × 29.5(D)[mm]				113(W) × 74(H) × 27(D)[mm]				
Panel cut dimensions	137(W) × 66(H)[mm]				105(W) × 66(H)[mm]				
Weight	GT1030-H□□(W): 0.3kg (excl. mounting brackets)		0.3kg (excl. mounting brackets)		GT1020-L□□(W): 0.2kg (excl. mounting brackets)		0.2kg (excl. mounting brackets)		
	GT1030-H□□(W): 0.28kg (excl. mounting brackets)				GT1020-L□□(W): 0.18kg (excl. mounting brackets)				
Applicable software packages	GT Works3 Version1.54G or later (not supported GT Works2/GT Designer 2)				GT Works3 Version1.54G or later				

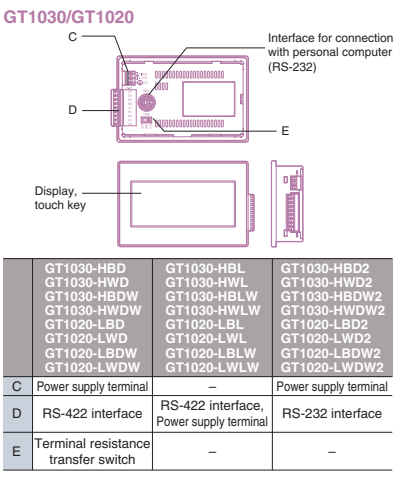
*1: On LCD panels, bright dots (permanently lit) and black dots (never lit) generally appear. Because the number of display elements that exist on an LCD panel is large, it is not possible to reduce appearance of the bright and black dots to zero. Flickering may occur depending on the display colors. Note that the existence of bright and black dots is a standard characteristic of LCD panels, and it does not mean that the products are defective or damaged. Displaying one single screen for a long time can lead to burn-in, causing afterimages or image irregularities that could not disappear. Use the screen saver that is effective to prevent burn-in.

*2: The memory is ROM that permits overwriting of new data without having to delete the existing data.

*3: In the case of GOT multi-drop connection, set the terminal resistance transfer switch on the GOT main unit according to the connection configuration.

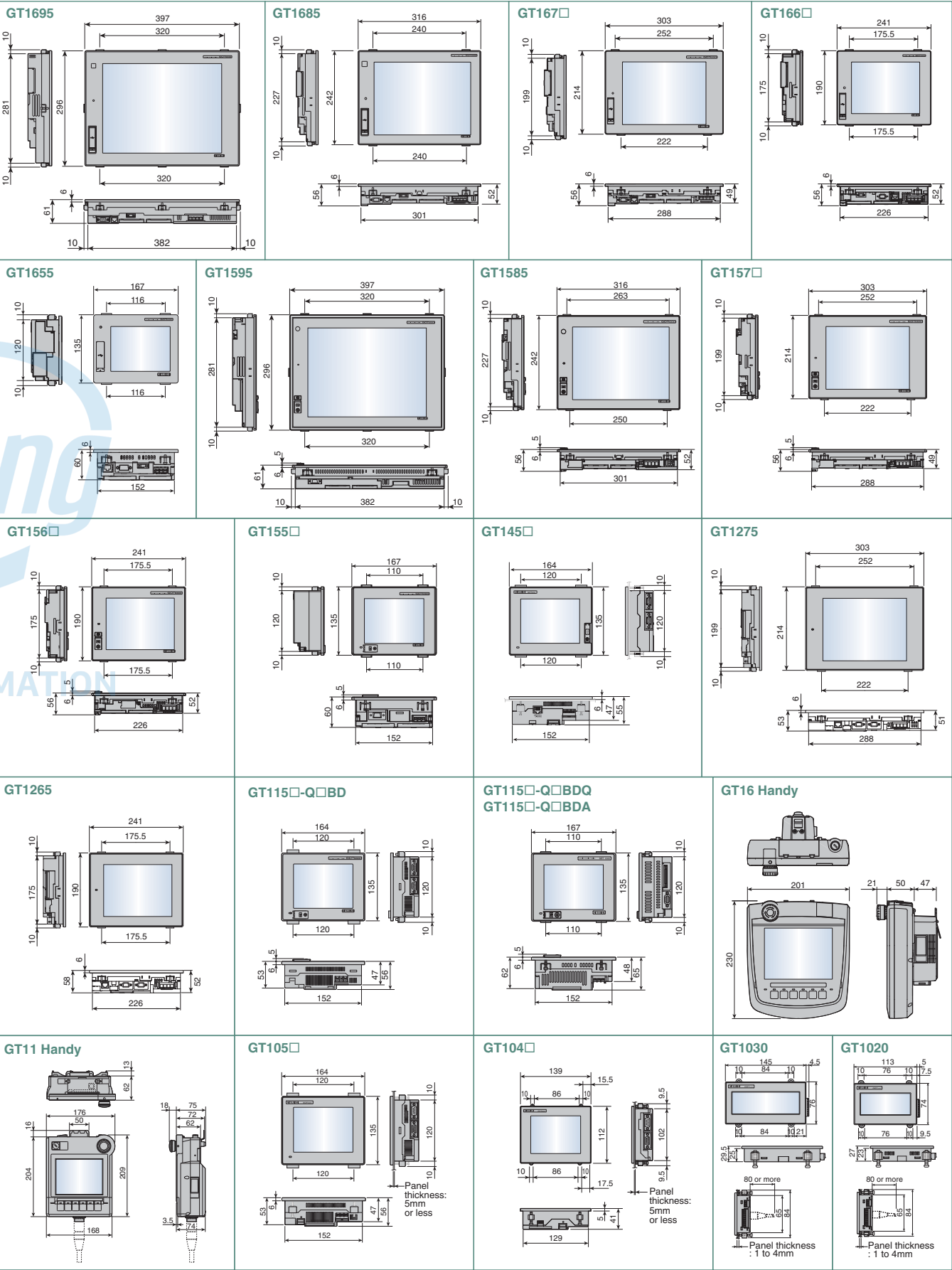
*4: This does not guarantee protection in all users' environments. The specification is not applied when the interface protective cover and rear face protective cover are removed. The unit may not be used in an environment where it is exposed to splashing oil or chemicals for a long time or it is soaked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

Component names



GOT main units

External dimensions

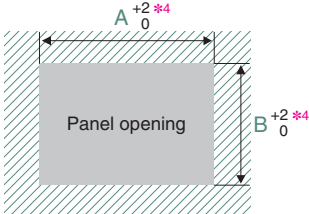


External dimensions

Panel cut dimensions

When the GOT is installed

Screen size	Type of GOT main unit	A	B
15"	GT1695	383.5	282.5
	GT1595		
12.1"	GT1685	302	228
	GT1585		
10.4"	GT167	289	200
	GT157		
	GT1275		
	GT166		
8.4"	GT156	227	176
	GT1265		
	GT1655		
5.7"	GT155	153	121
	GT145		
	GT115		
	GT105		
	GT104		
4.7"	GT104	130	103
4.5"	GT1030	137	66
3.7"	GT1020	105	66



- *1: Same dimensions as A985GOT(-V)
- *2: Same dimensions as A975/970GOT(-B)
- *3: Same dimensions as F940GOT
- *4: For the GT104, GT1030 and GT1020, the tolerances are +1/0.

When the CF card extension unit (mounting unit on control panel) is installed

Type	A	B
GT15-CFEX-C08SET	94.0	33.0

Cautions when installing and uninstalling

When installing the CF card extension unit on the control panel, make sure that the extension unit does not interfere with the extension unit cable or the CF card interface of the GOT. Place the CF card extension unit at a distance of 25mm or more from the GOT.
For installation locations, see the GT16 User's Manual (Hardware) or the GT15 User's Manual.

For compatibility with GOT900 series, see "Backward compatibility" (page 81).

Product installation spacing

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

GT16/GT15

Item	GT1695	GT1685	GT167	GT166	GT1655	GT1595	GT1585	GT157	GT156	GT155
GOT only	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	49 or more
When a bus connection unit is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	50 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
When a serial communication unit is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	50 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
When a RS-422 conversion unit is installed	50 or more	51 or more	63 or more	73 or more	49 or more	50 or more (20 or more)	50 or more (20 or more)	53 or more	58 or more	49 or more
When an Ethernet communication unit is installed	50 or more	51 or more	63 or more	73 or more	49 or more	50 or more (20 or more)	50 or more (20 or more)	53 or more	58 or more	49 or more
When the CC-Link communication unit (GT15-J61B113) is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
When a MELSECNET/H communication unit (coaxial) is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
When a MELSECNET/H communication unit (optical) is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
When a CC-Link IE Controller Network communication unit is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
When a CC-Link IE Field Network communication unit is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
When a printer unit is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
When a multimedia unit is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
When a video input unit is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
When a RGB input unit is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
When a video/RGB input unit is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
When a RGB output unit is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
When a CF card unit is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
When a CF card extension unit is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
When an audio output unit is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
When an external input/output unit is installed	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
A	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
B	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
C	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
D	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more
E	50 or more (20 or more)	50 or more (20 or more)	50 or more (26 or more)	50 or more (36 or more)	61 or more	50 or more (20 or more)	50 or more (20 or more)	50 or more (35 or more)	50 or more (21 or more)	50 or more

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

GT14

GOT main unit	A, D	B	C	E
GT1455	50 or more	80 or more	50 or more	100 or more
GT1450	50 or more	80 or more	50 or more	100 or more

- *1: 50 or more (20 or more) in the case of vertical installation
- *2: 80 or more (20 or more) in the case of vertical installation
- *3: The distance varies depending on the Ethernet cable used. When the bending radius of the Ethernet cable is larger than the indicated value, leave enough space appropriate for the bending radius.
- *4: When using a USB memory or SD card, allow space for removal and mounting when installing.

GT12

GOT main unit	A, D	B	C	E
GT1275	50 or more	80 or more	50 or more	100 or more
GT1265	50 or more	80 or more	50 or more	100 or more

GT11

GOT main unit	A, D	B	C	E
GT1155	50 or more	80 or more	50 or more	100 or more
GT1150	50 or more	80 or more	50 or more	100 or more

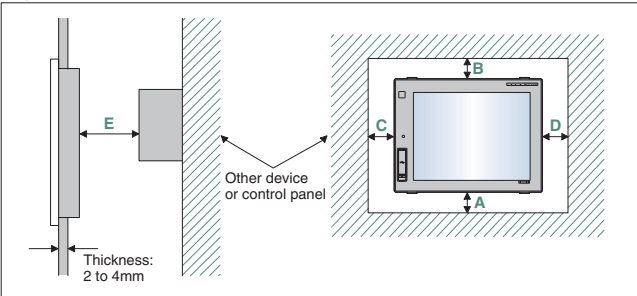
- *1: 50 or more (20 or more) in the case of vertical installation
- *2: 80 or more (20 or more) in the case of vertical installation

GT10

GOT main unit	A	B	C	D	E
GT105	50 or more	80 or more	50 or more	50 or more	100 or more
GT104	50 or more	80 or more	50 or more	50 or more	100 or more
GT1030	50 or more	50 or more	50 or more	50 or more	80 or more
GT1020	50 or more	50 or more	50 or more	50 or more	80 or more

- *1: 50 or more when a RS-232/USB conversion adapter is used.
- *2: 80 or more when a personal computer connection cable is used or when a personal computer RS-232 interface is used for connecting multiple GOTs.
- *3: 50 or more when a RS-232 interface is used for using an RS-232/USB conversion adapter.
- *4: 80 or more when using a USB cable or a memory board.

[Fig. A]

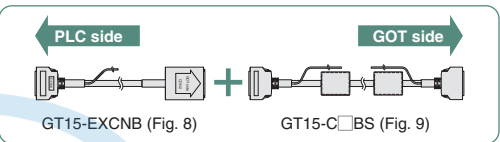


Bus connection cables

Cable model name	Cable length (L)	External dimensions
GT15-QC-B	0.6, 1.2, 3, 5, 10m	Fig. 1
GT15-QC-BS	15, 20, 25, 30, 35m	Fig. 1
GT15-C-NB	1.2, 3, 5m	Fig. 2
GT15-AC-B	0.6, 1.2, 3, 5m	Fig. 3
GT15-A370C-B-S1	1.2, 2.5m	Fig. 4
GT15-A370C-B	1.2, 2.5m	Fig. 5
GT15-A1SC-B	0.7, 1.2, 3, 5m	Fig. 6
GT15-A1SC-NB	0.45, 0.7, 3, 5m	Fig. 7
GT15-C-EXSS-1	10.6, 20.6, 30.6m	Figs. 8 & 9
GT15-EXCNB	0.5m	Fig. 8
GT15-C-BS	0.7, 1.2, 3, 5, 10, 20, 30m	Fig. 9
GT15-J2C10B	1m	Fig. 10

- *1: GT15-C-EXSS-1 is a set consisting of GT15-EXCNB and GT15-C-BS. (See Fig. A.)

[Fig. A]



RS-422 cables

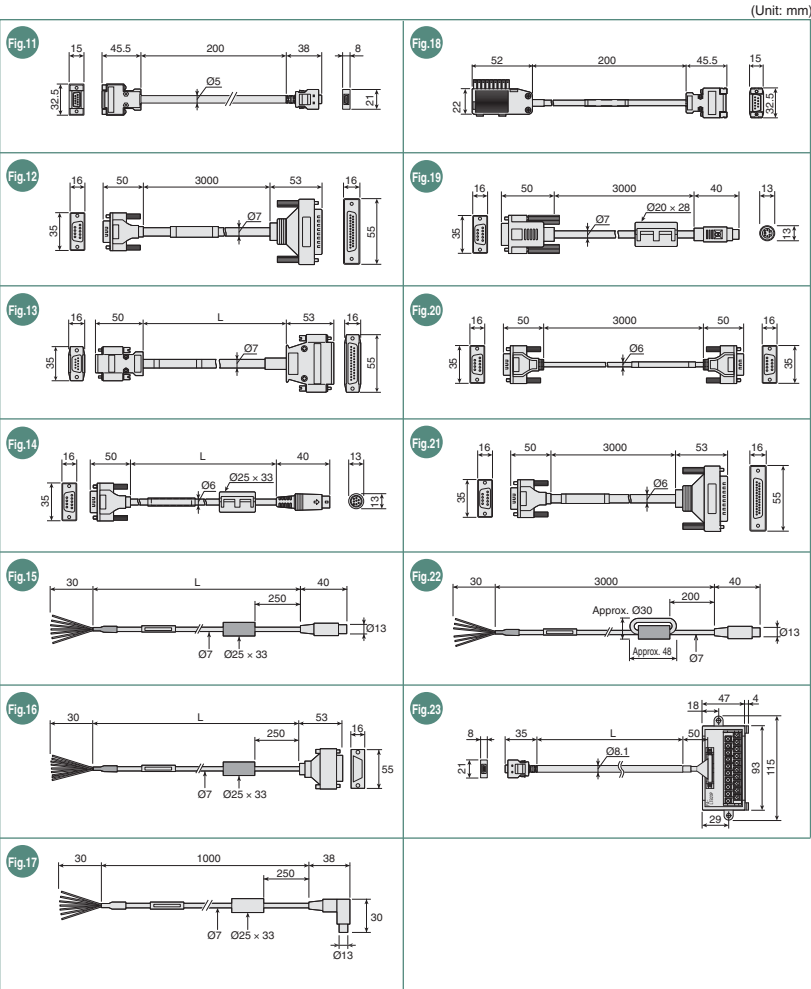
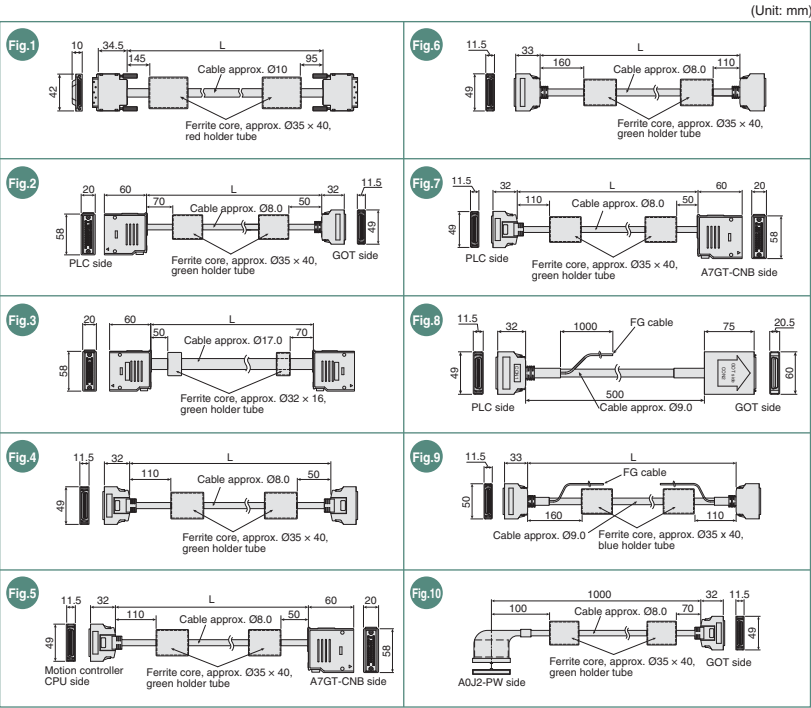
Cable model name	Cable length (L)	External dimensions
GT16-C02R4-9S	0.2m	Fig. 11
GT01-C30R4-25P	3m	Fig. 12
GT01-C-R4-25P	10, 20, 30m	Fig. 13
GT01-C-R4-8P	1, 3, 10, 20, 30m	Fig. 14
GT10-C-R4-25P	3, 10, 20, 30m	Fig. 15
GT10-C10R4-8PL	1m	Fig. 16
GT10-C02H-9SC	0.2m	Fig. 17

RS-232 cables

Cable model name	Cable length (L)	External dimensions
GT01-C30R2-6P	3m	Fig. 19
GT01-C30R2-9S	3m	Fig. 20
GT01-C30R2-25P	3m	Fig. 21
GT10-C30R2-6P	3m	Fig. 22

RS-485 terminal block conversion unit

Model name	Cable length (L)	External dimensions
FA-LTBGTR4CBL	0.5, 1, 2m	Fig. 23



Dimensions shown in parentheses apply when there are no devices nearby (contactor, etc.) which produce radiated noise or heat. Even with these dimensions, however, the ambient temperature must never exceed 55°C.
Depending on the unit and cable being used, a cable length longer than dimension A (or dimension D for the GT10) in above [Fig. A] may be required.

External dimensions

Communication units/optional units

Communication units/bus extension connector boxes

Product name		Model name	External dimensions	
Bus connection unit	Standard model of bus connection unit for QCPU (Q mode)/motion controller CPU (Q Series)	1ch GT15-QBUS	Fig. 1	
		2ch GT15-QBUS2	Fig. 2	
	Standard model of bus connection unit for QnA/ACPU/motion controller CPU (A Series)	1ch GT15-ABUS	Fig. 1	
		2ch GT15-ABUS2	Fig. 2	
	Thin model of bus connection unit for QCPU (Q mode)/motion controller CPU (Q Series)	1ch GT15-75QBUSL	Fig. 3	
		2ch GT15-75QBUS2L	Fig. 3	
	Thin model of bus connection unit for QnA/ACPU/motion controller CPU (A Series)	1ch GT15-75ABUSL	Fig. 3	
		2ch GT15-75ABUS2L	Fig. 3	
Serial communication unit	RS-232 serial communication unit (D-sub 9-pin (male))	GT15-RS2-9P	Fig. 4	
	RS-422/485 serial communication unit (D-sub 9-pin (female))	GT15-RS4-9S	Fig. 4	
	RS-422/485 serial communication unit (terminal block)	GT15-RS4-TE	Fig. 5	
RS-422 conversion unit	RS-232→RS-422 conversion unit (9-pin)	GT15-RS2T4-9P	Fig. 6	
	RS-232→RS-422 conversion unit (25-pin)	GT15-RS2T4-25P	Fig. 6	
Bus extension connector box		A9GT-QCNB	Fig. 7	
Bus connector conversion box		A7GT-CNB	Fig. 8	
MELSECNET/H communication unit		Optical loop unit	GT15-J71LP23-25	Fig. 9
		Coaxial bus unit	GT15-J71BR13	Fig. 10
CC-Link IE Controller Network communication unit		GT15-J71GP23-SX	Fig. 11	
CC-Link IE Field Network communication unit		GT15-J71GF13-T2	Fig. 12	
CC-Link communication unit Intelligent device station unit		GT15-J61BT13	Fig. 13	
Ethernet communication unit		GT15-J71E71-100	Fig. 14	
Serial multi-drop connection unit		GT01-RS4-M	Fig. 15	
Connector conversion adapter		GT10-9PT5S	Fig. 16	
RS-232/485 signal conversion adapter		GT14-RS2T4-9P	Fig. 17	
CC-Link interface unit		GT11H(S)-CCL	Fig. 18	

Optional units

Product name	Model name	External dimensions
Printer unit	GT15-PRN	Fig. 19
Multimedia unit	GT16M-MMR	Fig. 20
Video input unit	GT16M-V4	Fig. 21
	GT15V-75V4	Fig. 22
RGB input unit	GT16M-R2	Fig. 21
	GT15V-75R1	Fig. 22
Video/RGB input unit	GT16M-V4R1	Fig. 21
	GT15V-75V4R1	Fig. 22
RGB output unit	GT16M-ROUT	Fig. 23
	GT15V-75ROUT	Fig. 23
CF card unit	GT15-CFCD	Fig. 24
CF card extension unit	GT15-CFEX-C08SET	Fig. 25
Audio output unit	GT15-SOUT	Fig. 26
External input/output unit	GT15-DIOR	Fig. 27
	GT15-DIO	Fig. 27
Handy GOT connector conversion box	GT11H-CNB-37S	Fig. 28
	GT16H-CNB-42S	Fig. 29

*1: The connector shape varies depending on the model.
*2: Dimensions A to D for each communication unit

Model name	A	B	C	D
GT15-QBUS	2.5	12	31.5	—
GT15-QBUS2	2.5	11	29	—
GT15-ABUS	4.5	15	29.5	33.5
GT15-ABUS2	4.5	11	31	31

*3: Dimension X when GOT is installed

Model name	A	B	C	D
GT15-QBUS	2.5	12	31.5	—
GT15-QBUS2	2.5	11	29	—
GT15-ABUS	4.5	15	29.5	33.5
GT15-ABUS2	4.5	11	31	31

Option factor for communication units / option units

Model name	Z (option factor)
GT15-CFCD, GT15-CFEX-C08SET	20.5
GT16M-V4, GT16M-R2, GT16M-V4R1, GT16M-ROUT, GT15V-75V4, GT15V-75R1, GT15V-75V4R1, GT15V-75ROUT, GT15-QBUS, GT15-QBUS2, GT15-ABUS, GT15-ABUS2, GT15-RS2-9P, GT15-RS4-9S, GT15-RS4-TE, GT15-J71LP23-25, GT15-J71E71-100, GT15-J71BR13, GT15-J61BT13, GT15-PRN, GT15-DIO, GT15-DIOR, GT15-SOUT	21.5
GT16M-MMR, GT15-J71GP23-SX, GT15-J71GF13-T2	35.5

Calculation of dimension X

One-layer configuration: Y (main unit factor) + Z (option factor)

Two-layer configuration: Y (main unit factor) + Z (option factor) + Z (option factor)

Three-layer configuration: Y (main unit factor) + Z (option factor) + Z (option factor) + Z (option factor)

*4: Dimension A for each communication unit

Model name	A
GT15-75QBUSL	2.5
GT15-75QBUS2L	2.5
GT15-75ABUSL	4
GT15-75ABUS2L	4

*5: Dimension X when GOT is installed

Model name	A
GT15-75QBUSL	2.5
GT15-75QBUS2L	2.5
GT15-75ABUSL	4
GT15-75ABUS2L	4

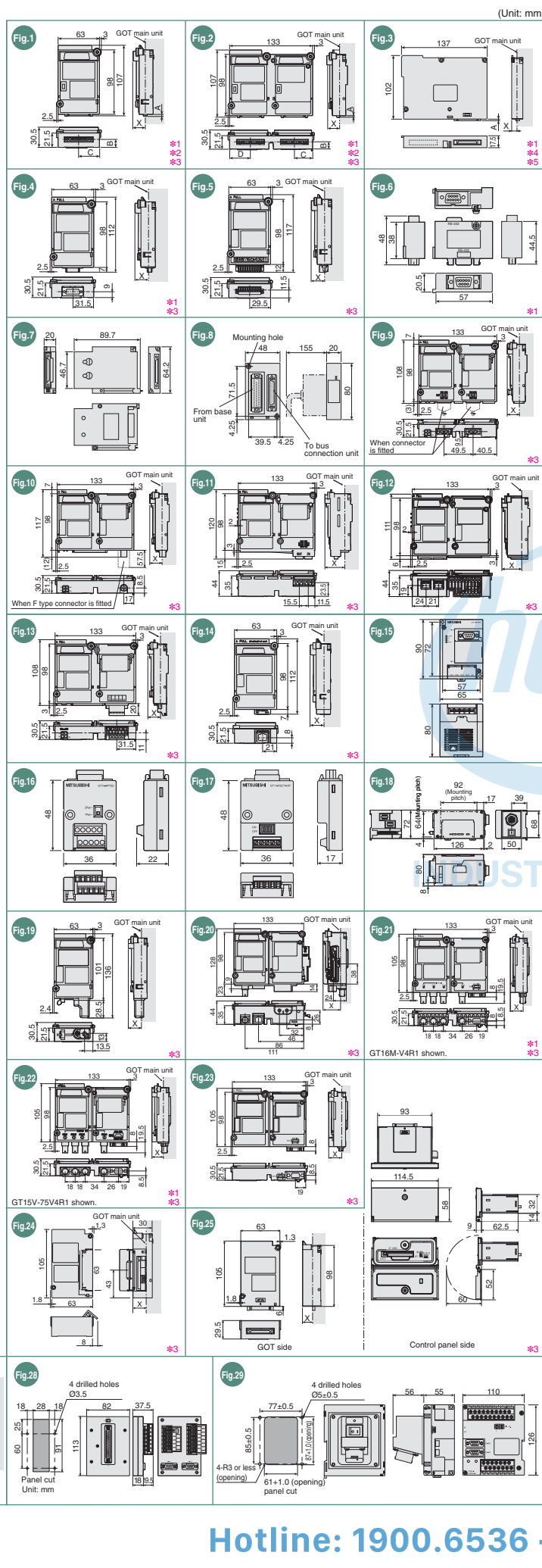
*6: For GT16

*7: For GT15

15" 6.5 15" 10.4" 8

12" 5 12" 5 5

10.4" 8 8.4" 5.7" 10



List of connectable models

Mitsubishi PLCs/Motion controllers/Safety controllers/ C controllers

Connectable to a broad range of product lines.

Series	Model name	Connection configuration									
		GT16/GT15/GT14/GT12/GT11	GT10	GT16/GT15/GT14/GT12/GT11	GT10	GT16/GT15/GT14/GT12/GT11	GT10	GT16/GT15/GT14/GT12/GT11	GT10	GT16/GT15/GT14/GT12/GT11	GT10
MELSEC-Q series (Q mode)	Q00JCPU	○*7									
	Q00CPU	○*6									
MELSEC-Q series (Q mode)	Q01CPU	○*6									
	Q02CPU	○*6									
MELSEC-Q series (Q mode)	Q02HCPU	○*6									
	Q06HCPU	○*6									
MELSEC-Q series (Q mode)	Q12HCPU	○*6									
	Q25HCPU	○*6									
MELSEC-Q series (Q mode)	Q02PHCPU	○*6									
	Q06PHCPU	○*6									
MELSEC-Q series (Q mode)	Q12PHCPU	○*6									
	Q25PHCPU	○*6									
MELSEC-Q series (Q mode)	Q12PRHCPU	○*6									
	Q25PRHCPU	○*6									
MELSEC-Q series (Q mode)	Q12PRHCPU	○*6									
	Q25PRHCPU	○*6									
MELSEC-Q series (Q mode)	Q00JCPU	○*7									
	Q00CPU	○*6									
MELSEC-Q series (Q mode)	Q01UCPU	○*6									
	Q02UCPU	○*6									
MELSEC-Q series (Q mode)	Q03UDCPU	○*6									
	Q04UDCPU	○*6									
MELSEC-Q series (Q mode)	Q06UDCPU	○*6									
	Q10UDCPU	○*6									
MELSEC-Q series (Q mode)	Q13UDHCPU	○*6									
	Q20UDHCPU	○*6									
MELSEC-Q series (Q mode)	Q26UDHCPU	○*6									
	Q03UDECPU	○*6									
MELSEC-Q series (Q mode)	Q04UDEHCPU	○*6									
	Q06UDEHCPU	○*6									
MELSEC-Q series (Q mode)	Q10UDEHCPU	○*6									
	Q13UDEHCPU	○*6									
MELSEC-Q series (Q mode)	Q20UDEHCPU	○*6									
	Q26UDEHCPU	○*6									
MELSEC-Q series (Q mode)	Q50UDEHCPU	○*6									
	Q100UDEHCPU	○*6									
MELSEC-QS series	Q001CPU	○*6									
	Q02CPU-A	○*6									
MELSEC-Q series (A mode)	Q02HCPU-A	○*6									
	Q06HCPU-A	○*6									
MELSEC-L series	L02CPU	○*6									
	L26CPU-BT	○*6									
MELSEC-L series	L02CPU-P	○*6									
	L26CPU-PBT	○*6									
MELSEC-WS series	WS0-CPU0	○*6									
	WS0-CPU1	○*6									
C controller	Q12DCPU-V	○*6									
	Q12DCPU-V	○*6									
MELSEC-QnA series (QnACPU type)	Q2ACPU	○*6									
	Q2ACPU-S1	○*6									
MELSEC-QnA series (QnACPU type)	Q3ACPU	○*6									
	Q4ACPU	○*6									
MELSEC-QnA series (QnACPU type)	Q4ARCPU	○*6									
	Q2ASCPU	○*6									
MELSEC-QnA series (QnACPU type)	Q2ASCPU-S1	○*6									
	Q2ASHCPU	○*6									
MELSEC-QnA series (QnACPU type)	Q2ASHCPU-S1	○*6									
	A2UCPU	○*6									
MELSEC-QnA series (QnACPU type)	A2UCPU-S1	○*6									
	A3UCPU	○*6									
MELSEC-QnA series (QnACPU type)	A4UCPU	○*6									
	A2ACPU	○*6									
MELSEC-QnA series (QnACPU type)	A2ACPU-P21	○*6									
	A2ACPU-P21	○*6									
MELSEC-QnA series (QnACPU type)	A2ACPU-S1	○*6									
	A2ACPU-P21-S1	○*6									
MELSEC-QnA series (QnACPU type)	A3ACPU	○*6									
	A3ACPU-P21	○*6									
MELSEC-QnA series (QnACPU type)	A3ACPU-P21	○*6									
	A1NCPUR21	○*6									
MELSEC-QnA series (QnACPU type)	A1NCPUR21	○*6									
	A2NCPUR21	○*6									
MELSEC-QnA series (QnACPU type)	A2NCPUR21	○*6									
	A2NCPUR21-S1	○*6									
MELSEC-QnA series (QnACPU type)	A2NCPUR21-S1	○*6									
	A3NCPUR21	○*6									
MELSEC-QnA series (QnACPU type)	A3NCPUR21	○*6									
	A3NCPUR21	○*6									

*1: Supported by the GT16 and GT15 only. (Excluding the GT16 Handy)
*2: Supported by the GT16, GT15, and GT11 only. When connecting multiple GOTs, note that the following GOT models cannot be used together: GOT1000 series, GOT800 series and A77GOT. If both of the GOT1000 series and the GOT-A900 series are included in a system, please refer to the Technical Bulletin No. GOT-A-0009.
*3: When MELSECNET/H is used in a multi-drop system, the GOT terminal cannot be connected directly to a remote I/O station.
*4: CC-Link (ID): Connected to a CC-Link system via A65BT-G4-S3 or A65BT-R2N.
*5: When using a series connector (or a CC-Link interface unit), only the device ranges within AnACPU specifications are supported. The following devices cannot be monitored:
• Devices that have been newly added to the QnACPU
• Latch relays (L) and step relays (S)
• In the QnACPU, the latch relay (L) and step relay (S) are separate devices from the internal relay (M), but the relay (M) is not supported when a latch relay (L) or step relay (S) is specified.
*6: Use CPU function version B or later in a multi-CPU system.
*7: When using a bus extension connector box, it must be installed on an extension base. (It cannot be installed on the main base.)

Series	Model name	Connection configuration											
		GT16/GT15/GT14/GT12/GT11								GT10			
		Bus connection CPU direct connection	Computer link	MELSECNET/H	MELSECNET/10 *1 *6,3	CC-Link IE Control Network *1	CC-Link IE Field Network *1	CC-Link (ID) *1 *4,1	CC-Link (via G4) *4,4	Ethernet *2,5	CPU direct connection	Computer link	CC-Link (via G4)
MELSEC-A series (AnSCPU type)*10	A2USCPU												
	A2USCPU-S1												
	A2USHCPU-S1												
	A1SCPU												
	A1SCPUC24-R2												
	A1SHCPU												
	A2SCPU												
	A2SCPU-S1												
	A2SHCPU												
	A2SHCPU-S1												
MELSEC-A series*10	A1SJCPU												
	A1SJCPU-S3												
	A1SJHCPU												
	A0J2HCPU												
	A0J2HCPUP21												
	A0J2HCPUR21												
	A0J2HCPU-DC24												
	A2CCPU												
	A2CCPUP21												
	A2CCPUR21												
Motion controller CPU (Q series)	A2CCPUC24												
	A2CCPUC24-PRF												
	A2CJCPU-S3												
	A1FXCPU												
	Q172CPU *13												
	Q173CPU *15												
	Q172CPUN *13												
	Q173CPUN *13												
	Q172HCPU												
	Q173HCPU												
Motion controller CPU (A series) (large type)	Q172DCPU												
	Q173DCPU												
	Q172DCPU-S1												
	Q173DCPU-S1												
	Q172DSCPU												
	Q173DSCPU												
	Q170MCPU												
	MR-MQ100												
	A273UCPU												
	A273UHCPU												
Motion controller CPU (A series) (small type) *10	A273UHCPU-S3												
	A373UCPU												
	A373UCPU-S3												
	A171SCPU												
	A171SCPU-S3												
	A171SCPU-S3N												
	A171SHCPU												
	A171SHCPUN												
	A172SHCPU												
	A172SHCPUN												
MELSEC-FX series	A173UHCPU												
	A173UHCPU-S1												
	FX0S												
	FX0N												
	FX1S												
	FX1N												
	FX1NC												
	FX2N												
	FX2NC												
	FX3G												
MELSEC NET/H remote I/O station	FX3GC												
	FX3UC												
CC-Link IE Field Network head unit	QJ72LP25-25												
	QJ72LP25G												
CC-Link IE Field Network Ethernet adaptor unit	QJ72BR15												
	LJ72GF15-T2												
MELSECNET/H	NZ2GF-ET8												

■ Modules usable when connected with Mitsubishi PLCs

CPU series	Serial communication module/computer link module ¹⁾			
	Model name	CH1	CH2	
MELSEC-Q series (Q mode)	QJ71C24	RS-232	RS-422/485	
	QJ71C24-R2	RS-232	RS-232	
Motion controller CPU (Q series)	QJ71C24N	RS-232	RS-422/485	
	QJ71C24N-R2	RS-232	RS-232	
MELSECNET/H remote I/O station	QJ71C24N-R4	RS-422/485	RS-422/485	
	QJ71CMO	Modular connector	RS-232	
	QJ71CMON	Modular connector	RS-232	
MELSEC-L Series CS-Link IE Field Network head unit	LJ71C24	RS-232	RS-422/485	
	LJ71C24-R2	RS-232	RS-232	
MELSEC-Q series (A mode)	A1SJ71UC24-R2	RS-232	—	
	A1SJ71UC24-R4	RS-422/485	—	
MELSEC-QnA series	AJ71QC24	RS-232	RS-422/485	
	AJ71QC24-R2	RS-232	RS-232	
	AJ71QC24-R4	RS-422	RS-422/485	
	AJ71QC24N	RS-232	RS-422/485	
	AJ71QC24N-R2	RS-232	RS-232	
	AJ71QC24N-R4	RS-422	RS-422/485	
	A1SJ71QC24	RS-232	RS-422/485	
	A1SJ71QC24-R2	RS-232	RS-232	
	A1SJ71QC24N	RS-232	RS-422/485	
	A1SJ71QC24N-R2	RS-232	RS-232	
	A1SJ71QC24N1	RS-232	RS-422/485	
	A1SJ71QC24N1-R2	RS-232	RS-232	
	AJ71UC24	RS-232	RS-422/485	
	A1SJ71UC24-R2	RS-232	—	
MELSEC-A series Motion controller CPU (A series)	A1SJ71UC24-R4	RS-422/485	—	
	AJ71UC24	RS-232	RS-422/485	
	A1SJ71UC24-R2	RS-232	—	
	A1SJ71UC24-R4	RS-422/485	—	
	A1SJ71C24-R2	RS-232	—	
	A1SJ71C24-R4	RS-422/485	—	
	A1SCPU24-R2	RS-232	—	
	A2CCPU24	RS-232	RS-422/485	

#1:	RS-485 communication is not possible; therefore, AOCD-C214-S1 is unusable.	#2:	With function version A, either CH1 or CH2 can be connected. With function version B or later, both CH1 and CH2 can be connected.
	When using A series computer link with OnACpu, only the device ranges within OnACpu specifications are supported.	#3:	Only CH2 can be connected.
	The following devices cannot be monitored:	#4:	Either CH1 or CH2 can be connected.
	• Devices that have been newly added to the A series (L) (In the OnACpu, the latch relay (L) and step relay (S) are separate devices from the internal relay (M), but the internal relay is nonetheless accessed when either a latch relay or step relay is specified.)	#5:	When connecting to A1SHCPU, A2SCPU(S1), A2SHCPU(S1), A1SHCPU, A2SCPU, A1TSHCPU or A1TSCPU, use computer link module software version U or later.
	• File register (R)	#6:	Computer link module/serial communication module operate within the range of devices available on OnACpu. (R devices cannot be used.)

CPU series		Ethernet module ⁸¹			
MELSEC-Q series (Q mode)/MELSEC-QS series	QJ71E71-100	QJ71E71-B5	QJ71E71-B2	QJ71E71	
MELSEC-QnA series	AJ71QE71N3-T	AJ71QE71N-T	AJ71QE71-B5	A1S71QE71N-B2	A1S71QE71-B5
	AJ71QE71N-B5	AJ71QE71N-B5T	A1S71QE71N3-T	A1S71QE71N-T	A1S71QE71-B2
	AJ71QE71N-B2	AJ71QE71	A1S71QE71N-B5	A1S71QE71N-B5T	
MELSEC-Q series (A mode)	AJ71E71N3-T	AJ71E71N-T	A1S71E71N3-T	A1S71E71N-T	A1S71E71-B5-S3
MELSEC-A series	AJ71E71N-B5	AJ71E71N-B5T	A1S71E71N-B5	A1S71E71N-B5T	A1S71E71-B2-S3
Motion controller CPU (A series)	AJ71E71N-B2	AJ71E71-S3	A1S71E71N-B2		
MELSEC-FX series	FX3U-ENET (-L)				

The GOT can be connected to Mitsubishi inverters to set their parameters and display alarms.

Model name	GT16/GT15/GT14/GT12/GT11/GT10	
	RS-422	RS-232
FREQROL-S500/S500E	○	×
FREQROL-E500	○	×
FREQROL-F500/F500L	○	×
FREQROL-F500J	○	×
FREQROL-A500/A500L	○	×
FREQROL-V500/V500L	○	×
FREQROL-E700	○	×
FREQROL-F700	○	×
FREQROL-A700	○	×
FREQROL-D700	○	×
FREQROL-F700P/F700PJ	○	×

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

Series	Model name	GT16/GT15/GT14/GT12/GT11/GT10	
		RS-422	RS-232
MELSERVO-J4 series	MR-J4- <u> </u> IA	☐	☐
MELSERVO-J3 series	MR-J3- <u> </u> IA	☐	☐
	MR-J3- <u> </u> IT	☐	☐
MELSERVO-J2-Super series	MR-J2S- <u> </u> IA	☐	☐
	MR-J2S- <u> </u> CP	☐	☐
	MR-J2S- <u> </u> CL	☐	☐
MELSERVO-J2M series	MR-J2M-P8A	☐	☐
	MR-J2M- <u> </u> DU	☐	☐

The GOT can be used to monitor Mitsubishi robot controllers and set their parameters.

[illegible]

*1 Supported by the GT16 and GT15 only. (Excluding the GT16 Handy)
 *2 Supported only when MELSECNET/1 is used in NET/10 mode. The GOT terminal cannot be connected to a remote I/O net.
 *3 CC-Link (ID): Connected as CC-Link (intelligent device station).
 *4 The CrnQ-DQ can be accessed via RS-232C of the QCPU of a multi-CPU system.
 *5 The CrnQ-DQ cannot be used as a master controller via the Ethernet module or the Ethernet port of the QCPU of a multi-CPU system.
 *6 Supported by the GT16, GT15, and GT11 only.
 *7 Supported by the GT16, GT15, GT14, and GT12 only. (The GT14 supports connection to CrnQ-DQ only.)

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

*1 : Use CPU and MELSECNET/H network unit function version B or later.

●For MELSECNET/10 connection

CPU series	MELSECNET/H (NET/10 mode), MELSECNET/10 module	
	Optical loop	Coaxial bus
MELSEC-Q series (Q mode)*1	QJ71LP21	QJ71LP21S-25
MELSEC-QS series	QJ71LP21-25	QJ71BR11
C controller	QJ71LP21-25	QJ71LP21S-25
MELSEC-QnA series	AJ71QLP21	A1SJ71QLP21
	AJ71QLP21S	A1SJ71QLP21S
MELSEC-Q series (A mode)	AJ71LP21	AJ71BR11
MELSEC-A series	A1SJ71LP21	A1SJ71BR11
Motion controller CPU (A series)		

CPU series	CC-Link IE Controller Network communication unit
MELSEC-Q series (Q mode)	QJ71GP21-SX*1
MELSEC-QS series	QJ71GP21S-SX*1
C controller	

*1 : In the extension mode, use a CPU with the first 5 digits of the serial No. are 12052 or higher.

CPU series	CC-Link IE Field Network communication unit
MELSEC-Q series (Q-mode) C controller	QJ71GF11-T2
MELSEC-QS series	QS0J71GF11-T2
MELSEC-L series	LJ71GF11-T2

CPU series	CC-Link unit
MELSEC-Q series (Q mode) C controller	QJ61BT11 QJ61BT11N
MELSEC-L series	LJ61BT11
MELSEC-QnA series	AJ61QBT11 ^{*1} A1SJ61QBT11 ^{*1}
MELSEC-Q series (A mode)	AJ61BT11 ^{*1}
MELSEC-A series	A1SJ61BT11 ^{*1}
Motion controller CPU (A series)	

*1 : GOT can communicate only with CC-Link units function version B or later and software version J or later.

CPU series	CC-Link unit	Peripheral device unit
MELSEC-Q series (Q mode) C controller	QJ61BT11 QJ61BT11N	AJ65BT-G4-S3 AJ65BT-R2N
MELSEC-L series	LJ61BT11	

*1 : GT11 and GT10 can monitor only the master station.

- *1: When using an A series Ethernet with QnACPU, only the device ranges within AnACPU specifications are supported except for the following devices.
 - Devices that have been newly added to the QnACPU
 - Latch relays (L) and step relays (S)
(In the QnACPU, the latch relay (L) and step relay (S) are separate devices from the internal relay (M), but the internal relay is nonetheless accessed when either a latch relay or step relay is specified.)
 - File register (R)

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

Series	Model name	GT16/GT15/GT14/GT12/GT11 Connection configuration								
		Bus connection	CPU direct connection	Computer link	MELSEC NET/H	MELSEC NET/I0	CC-Link E Field Network	CC-Link (ID)	CC-Link (via G4)	Ethernet
		*#6			*#1	*#1 *#2	*#1	*#1 *#3		*#7
CNC C70	Q173NCCPU	○	*#5	○	○	○	○	○	○	
MELDAS C64	FCA C64	×		×	×	×	×			
	FCA C64	×	*#4		×	×	*#4	×	*#4	

- *1 Supported by the GT16 and GT15 only. (Excluding the GT16 Handy)
- *2 When MELSECNET/1 is used in NET/10 mode, the GOT terminal cannot be connected directly to a remote I/O station.
- *3 CC-Link (ID): Connected as CC-Link (intelligent device station).
- *4 Use NC system software version D0 or later.
- *5 Only a USB interface is available on the Q173NCCPU.
The Q173NCCPU can be accessed via RS-232 of the QCPU of a multi-CPU system.
- *6 Supported by the GT16, GT15, and GT11 only.
- *7 Supported by the GT16, GT15, GT14, and GT12 only.

■ Units usable when connected with MELDAS C6/C64

Series	MELSECNET/H (NET/10 mode), MELSECNET/10 module	
	Optical loop	Coaxial bus
MELDAS C6/C64	FCU6-EX879	FCU6-EX878

Series	CC-Link unit
MELDAS C6/C64	FCU6-HR865

Series	Ethernet module
MELDAS C6/C64	FCU6-EX875

* **Application GOT varies depending on the connection destination.**
GT16 -- When connected via RS-232, RS-422/485 or Ethernet: All models (Use the built-in interface of the GOT main unit.)
 When connected via ports other than those above: All models (Bus connection and network connection are enabled by mounting a communication unit on the GOT main unit.)
GT15 -- When connected via RS-232 All models (Use the built-in interface of the GOT main unit.)
 When other than RS-232 All models (Bus connection and network connection are enabled by mounting a communication unit on the GOT main unit.)
GT14 -- When connected via RS-232, RS-422/485 or Ethernet: All models (Use the built-in interface of the GOT main unit.)
 GT12 -- When connected via RS-232, RS-422/485 or Ethernet: All models (Use the built-in interface of the GOT main unit.)
GT11 -- When connected via RS-232 or RS-422: GT115_Q _BD
 When using bus connection GT111_Q _BD GT115-Q _BDA
Handy GOT -- When connected via RS-232, RS-422/485 or Ethernet: GT166HS-VTBD
 When connected via RS-232 or RS-422 GT115_HS_Q _BD
GT10 -- When connected via RS-232 GT105_Q _BD GT104_Q _BD GT1030-H_D1H_DW2, GT1020-L_D2L_DW2
 When connected via RS-422 GT105_Q _BD GT104_Q _BD GT1030-H_D1H_DW, GT1030-H_L1H_LW GT1020-L_D1L_DW, GT1020-L_L1L_LW
 (The GT1030-H_L1H_LW and GT1020-L_L1L_LW can be used only with the MELSEC-PCXP.)

The GOT can be connected with third party PLCs through RS-232 communication at up to 115.2kbps or Ethernet.

Manufacturer				Model name		GT16/GT15/GT14/GT12/GT11/GT10								
						Computer link connection		CPU direct connection		Ethernet connection #3				
				RS-422	RS-232	RS-422	RS-232							
OMRON	SYSMAC CPM	CPM1	CPM1A	x	o			x	x					
		CPM2A	CPM2C					x						
	SYSMAC CQM1	CQM1	x				x	#2						
	SYSMAC CPM1H	CQM1H					o							
	SYSMAC CJ1	CJ1H	o	#3			o	o	#12					
	SYSMAC CJ2	CJ2H					o							
	SYSMAC CP1	CP1H				x	x	#14						
	SYSMAC C200HS	CP1E (N type) #13					o			#13				
	SYSMAC C200H	C200HS	o	o				x	x					
	SYSMAC C200HE	C200H												
	SYSMAC α	C200HX	C200HE	o	o			o						
	SYSMAC CS1	CS1H	CS1D					o		o	#12			
	SYSMAC C1000H	C1000H		o	#3			x						
SYSMAC C2000H	C2000H													
SYSMAC CVM1/CV	CV1000	CV2000 CVM1	x	x		o	#3		x					
KEYENCE		KV-700	KV-3000	o	o	x	x	o	x					
		KV-1000						x						
		KV-5000	KV-5500					x						
KOYO ELECTRONICS INDUSTRIES #1	KOSTAC SU series	SU-5E	SU-5M	o	o	o	o	o	x					
		SU-6B	SU-6M											
	PZ series	PZ3	x	x	o	o	x							
	Direct.LOGIC 205 series	D2-240	o	o	x	o	o	x						
	D2-250-1	D2-260												
	Direct.LOGIC 05 series	D0-05AA	D0-05DD	o	o	x	o	o	x					
		D0-05AD	D0-05DD-D											
		D0-05AR	D0-05DR											
		D0-05DA	D0-05DR-D											
		D0-06DD1	D0-06AA											
D0-06DD2		D0-06DD1-D												
Direct.LOGIC 06 series	D0-06DR	D0-06DD2-D	o	o	o	o	o	x						
	D0-06DA	D0-06DR-D												
	D0-06AR													
Sharp Manufacturing Systems #1		JW-21CU	JW-50CUH	o	x	x	x	x						
		JW-31CUH												
		JW-22CU	JW-70CUH											
JTEKT #1	TOYOPEC series	JW-32CUH	JW-100CUH	o	x		o	#3	x					
		JW-33CUH	JW-100CU											
		Z-51Z								x	x		#3	
		PC3JG-CPU	PC3JG-CPU							o	#4	x	o	#4
		PC3JL-CPU	PC3JL-CPU							o	#4		o	#4
	PC2JG-CPU	PC2J16PR-CPU	o	o	#4	x	x	x	x					
		PC2J16P-CPU												
		PC2J-CPU								PC2JR-CPU				
		PC2JS-CPU												
PROSEC T series	T2 (PU22A)	x	x			o	o	x						
	T2E									T2N				
	T3									T3H				
TOSHIBA #1	PROSEC V series	model 3000 (S3)	x	x	o	x		x						
		model 2000 (S2)												
		model 2000 (S2T)												
		model 2000 (S2E)												
Unified controller nv series		PUB11	x	x	x	x	o							
TOSHIBA MACHINE	TCmini series	TC3-01	TC6-00	x	x	x	o	x	x					
		TC3-02	TC8-00											
	Robot controller	TS200	TS2100	x	x	x	o	x						
Hitachi Industrial Equipment Systems #1	Large-sized H series	H-302	H-4010	o	#3	x	o	x	x					
		H-702	H-300											
		H-1002	H-700											
		H-2002	H-2000											
		H-200	H-252B											
	H-200 to 252 series	H-250	H-252C	x	x	x	o	x	x					
		H-252												
		H-20DR	H-28DT											
		H-28DR	H-40DT											
		H-40DR	H-64DT											
H series board type	H-64DR	HL-40DR	x	x	x	o	x	x						
	H-20DT	HL-64DR												
EH-150 series	EH-CPU104	EH-CPU308	x	x	x	o	x	x						
	EH-CPU208	EH-CPU316												
	EH-CPU516	EH-CPU548												
Hitachi #1	S10V	LQP510	o	o		x	x	x						
		LQP520												
		LQP800												
S10mini	LQP800	LQP011	o	o	x	x	x	x						
	LQP000	LQP120												
	LQP010													
Fuji Electric FA Components & Systems #1	MICREX-F	F55	F140S	o	o	x	x	x	x					
		F70	F15_1S											
		F120S												
Panasonic Corporation		FP0-C16CT	FP1-C24C	x	x	o	x	o	x					
		FP0-C32CT	FP1-C40C											
		FP0R												
		FP2	FP2 (S)											
		FP2SH	FP10 (SH)											
		FP3	FP10S											
		FP-M (C20TC)	FP-Σ											
FP-M (C32TC)	FP-M (C32TC)													
YASKAWA Electric #10		LP5-X		o	o		x	o	x					
		GL120												
		GL130	x											
		GL60S								x				
		GL60H	o								x			
		GL70H												
		CP-9200SH									x			
		CP-9300MS	x							o		x		
		MP920	o							o		x		
		MP930									x			
		MP940									o			
		PROGIC-8	x							x				
		CP-9200 (H)												
Yokogawa Electric #10	FA-M3	CP-312		o	o	x		x	o					
		CP-317												
		MP2200								x				
		MP2300	o								o			
		MP2500 (S)	o							#3	x	x	o	
	STARDOM	NECP100	NEJT100	o	o	x	x	o	o					
		F3SP05	F3SP08											
		F3SP10								x				
		F3SP20	F3SP30								x			
		F3FP36												
FA-M3	F3SP21	F3SP38	o	o	x		o	o						
	F3SP25	F3SP53												
	F3SP35	F3SP58												
	F3SP28	F3SP59												
	F3SP66	F3SP67												

Manufacturer		Model name	GT16/GT15/GT14/GT12/GT11/GT10				
			Computer link connection	CPU direct connection		Ethernet connection	
			RS-422	RS-232	RS-422	RS-232	
Allen-Bradley (Rockwell Automation, Inc)	SLC500 series #5	SLC500-20	×	×	×	○ #1	×
		SLC500-30					
		SLC500-40					
		SLC501					
		SLC502					
	MicroLogix 1000 series (digital CPU) #5 #6 #7	SLC503				○	
		SLC504					
		SLC505					
		1761-L10BWA					
		1761-L10BWB					
	MicroLogix 1000 series (analog CPU) #5	1761-L16AWA	×	×	×	○	×
		1761-L16BWA					
		1761-L16BWB					
		1761-L16BBB					
		1761-L32AWA					
MicroLogix 1200 series #5	1761-L32BWA						
	1761-L32BWB						
	1761-L32BBB						
MicroLogix 1500 series #5	1761-L32AAA						
	1761-L20AWA-5A						
	1761-L20BWA-5A						
ControlLogix series	1762-L24BWA	×	×	×	○ #1	○ #6	
	1764-LSP						
	1756-L						
	1756-L1M1						
	1756-L1M2						
	1756-L1M3						
	1756-L61						
	1756-L62						
	1756-L63						
	1756-L55M12						
	1756-L55M13						
	1756-L55M14						
	1756-L55M16						
	1756-L55M22						
	1756-L55M23						
CompactLogix series	1756-L55M24				○ #1	○ #8	
	1769-L31						
	1769-L32E						
	1769-L32C						
	1769-L35E						
FlexLogix series	1769-L35CR	×	×	×	○ #1	×	
	1794-L33						
	1794-L34						
GE Fanuc Automation Corporation #1	Series 90-30	IC693CPU311	○	○	×	×	×
		IC693CPU313					
		IC693CPU323					
		IC693CPU350					
		IC693CPU360					
		IC693CPU363					
		IC693CPU366					
		IC693CPU367					
		IC693CPU374					
		IC697CPU731					
	Series 90-70	IC697CPX772	○	○	×	×	×
		IC697CPX782					
		IC697CPX928					
		IC697CPX935					
		IC697CPU780					
		IC697CGR772					
		IC697CGR935					
		IC697CPU788					
		IC697CPU789					
		IC697CPM790					
	VersaMax Micro	IC200UA003	×	×	○	○	×
		IC200UAR014					
		IC200UDD104					
		IC200UDD112					
		IC200UDR001					
IC200UDR002							
IC200UDR003							
IC200UAL004							
IC200UAL005							
IC200UAL006							
IC200UAA007							
IC200UAR028							
IC200UDD110							
IC200UDD120							
IC200UDD212							
LS Industrial Systems	K120S	○	○	×	×	×	
	K300S						
	K4P-15S						
	K3P-07 S						
	K7M-D U						
Schneider Electric SA	K80S	×	×	×	×	○ #11	
	TSX P57 203M						
	TSX P57 253M						
	TSX P57 303M						
	TSX P57 353M						
Modicon Premium	TSX P57 453M	×	×	×	×	○ #11	
	140 CPU 311 10						
	140 CPU 434 12U						
	140 CPU 534 14U						
	140 CPU 651 50						
	140 CPU 651 60						
	140 CPU 671 60						
	140 CPU 113 02						
	140 CPU 113 03						
	140 CPU 434 12A						
SICK AG	140 CPU 534 14A	×	×	×	○	×	
	Flexi Soft series						
Siemens AG	SIMATIC 57-200 series	×	×	×	○	×	
	SIMATIC 57-300 series						
	SIMATIC 57-400 series						

*1	The GT10 cannot be connected.	*6	ETHERNet/IP (PCCP protocol) is supported.
*2	The GOT cannot be connected to the CQM1-CPUV11.	*7	Supported by the GT16, GT15, GT14, and GT12 only.
*3	The GOT does not support RS-232C interface.	*8	The GT10 is also supported for the following models:
*4	RS-422 or RS232C is not supported.	*9	CP-2200SH, CP-2000, MP930, MP930, MP940, MP2200.
*5	RS-232C/RS-422 converter (TXU-205) is required.	*10	Modbus/TCP connection is supported.
	Connection to the DH485 requires a D-Series or later CPU. (B-Series and earlier models do not support the D-Series protocol.)	*11	Modbus/TCP communication driver.
*7	A one-to-one connection requires a D-Series or later CPU. (C-Series and earlier models do not support the D-Series protocol.)	*12	Not applicable to duplex Ethernet.
	For the duplex function, the following conditions must be met:	*13	Only the bits with value of CP1E (N type) can be connected only directly to CPU.
		*14	Only the C2M-CPUV11 can be connected.

69

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

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

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

Check the size of the data stored in the GOT. For more details, see "Optional function board, memory card (CF card, SD card), and USB memory selection <GT16/GT15/GT14/GT12/GT11>" (page 82 to page 83).

The GT14 and GT12 do not require the optional function board. The GT10 and GT SoftGOT1000 do not require the optional function board or installation of the extension/optional function OS.

*3 : Necessary optional units, memory cards, and USB memory devices other than the optional function board are shown. Parenthesized devices will be required depending on conditions of use. For details, see "Notes for use" (page 81 to page 86).

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

Hotline: 1900.6536

- *5 : The RS-232 interface can be used as an RS-422 interface by connecting an RS-422 conversion unit.
- *6 : Structural restrictions are applied.
- *7 : Only user alarms can be used.
- *8 : To use the historical data list display and the historical trend graph, it is necessary to specify the logging function in advance. In addition, it is necessary to install the optional function OS (logging).
- *9 : Read from the PLC clock.
- *10 : Different connection configurations may require different communication units. For details, see the GOT1000 Series Handbook and the GOT1000 Series Connection Manual.
- *11 : For the compatible hardware versions, please contact your local sales office.
- *12 : Only CPU direct connection and Ethernet connection are supported.
- *13 : Only the Fx series function is supported.
- *14 : When ST1 , CT2 , G11 and CT10 are intermitted, the multiple connection function is not supported.

Function list

GT16		GT15	GT14	GT12	GT SoftGOT																				
Category	Function*1		Optional function board	Extended/optional function OS installation	Other necessary devices	Details page	Model																		
							GT16					GT15					GT14	GT12	GT SoftGOT 1000 Version3 #4						
	GT1695M -XTB	GT1685M -STB					GT1675M -STB	GT1675M -VTB	GT167 -VNB	GT1665M -STB	GT1665M -VTB	GT1662 -VNB	GT1655 -VTBD	GT1665 HS-VTBD	GT1595 -XTB		GT1585(V) -STB	GT1575(V) -STB	GT1575 -VTB	GT157 -VNB	GT1565 -VTB	GT1562 -VNB	GT155 -Q BD	GT145 -Q BDE	GT1275 -VNB
		XGA	SVGA	SVGA	VGA	VGA	SVGA	VGA	VGA	VGA	VGA	XGA		SVGA	SVGA	VGA	VGA	VGA	VGA	VGA/VQGA	QVGA	VGA	VGA		
		15"	12.1"	10.4"	10.4"	10.4"	8.4"	8.4"	8.4"	5.7"	6.5"	15"		12.1"	10.4"	10.4"	10.4"	8.4"	8.4"	5.7"	5.7"	10.4"	8.4"		
Screen design	Specifications	Base screen, window screen																							
		Dialog window display																							
			BMP image display																						
			JPEG image display																						
			DXF data																						
		IGES data																							
		Standard fonts (basic)	Japanese, Japanese (supporting European languages), Chinese (Simplified), Chinese (Simplified), Chinese (Traditional, supporting European languages)																						
			Chinese (Simplified), Chinese (Traditional), Chinese (Simplified), Chinese (Traditional), Japanese	Required																					
		Standard fonts (optional)																							
	Common settings	High-quality font																							
		TrueType font, TrueType font (7 segments)																							
		Windows® font																							
		Stroke basic font (extended)																							
		Stroke font (optional)																							
		Logo character function																							
		Parts (object + figure) layer function																							
		Station No. switching																							
		Multilingual support function																							
		Password																							
Object settings	Security function	Security level authentication																							
		Operator authentication	Required	(Memory card/USB memory <GT16 only>)	P.41																				
	Lamp display																								
	Touch switch																								
	Numeric display/input																								
	Data list display																								
	Historical data list display*6																								
	ASCII display/input																								
	Kana-Kanji conversion function	Normal version	Required																						
		Enhanced version	Required																						
	Clock display																								
	Comment display																								
	Advanced alarm observation/display																								
	Alarm display																								
	Alarm history display																								
	Floating alarm display																								
	Parts display																								
	Parts movement																								
	Panel meter display																								
Level display																									
Trend graph/Line graph/Bar graph/Statistical graph																									
Historical trend graph*6																									
Scatter graph																									
Status observation function																									
Advanced recipe function																									
Recipe function																									
Others	Report function																								
	Hardcopy function	File saving in memory card																							
		Printing on printer																							
	Barcode function																								
	RFID function																								
	Multimedia function																								
	Remote personal computer function (Ethernet)																								
	Remote personal computer function (serial)																								
	VNC® server function																								
	Operation panel function																								
	Operation log function																								
	Document display function																								
	Logging function																								
	Log viewer function																								
	Script function		Project script/Screen script																						
	Object script																								
	Maintenance functions	Device data transfer function																							
		Device monitor function																							
		System monitor function																							
List editor for A																									
List editor for FX																									
SFC monitor function																									
Motion SFC monitor function																									
Ladder editor function																									
Ladder monitor function																									
Intelligent module monitor function																									
Q motion monitor function																									
Servo amplifier monitor function																									
Network monitor function																									
CNC monitor function																									
CNC data input/output function																									
Backup/restoration function																									
MELSEC-L troubleshooting function																									
Maintenance time notification function																									

*1 : The function details, such as the number of settings and the data storage destination, vary depending on the model.
*2 : An optional function board is required to use the functions that are indicated as "Required" in the "Optional function board" column. Some other optional functions may require the optional function board depending on the GOT function version and hardware version.
The extension/optional function OS must be installed to use the functions that are indicated as "Required" in the "Extended/optional function OS installation" column. A memory card or optional function board may be required when the extension/optional function OS is installed.
Check the size of the data stored in the GOT. For more details, see "Optional function board, memory card (CF card, SD card), and USB memory selection <GT16/GT15/GT14/GT12/GT11>" (page 82 to page 83).
The GT14 and GT12 do not require the optional function board. The GT10 and GT SoftGOT1000 do not require the optional function board or installation of the extension/optional function OS.
*3 : Necessary optional units, memory cards, and USB memory devices other than the optional function board are shown. Parenthesized devices will be required depending on conditions of use. For details, see "Notes for use" (page 81 to page 86).
*4 : For details, see "GT10" (page 48), "Handy GOT" (page 25) and "GT SoftGOT1000" (page 26).

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

INDEX

For Designers

For Initial Startup & Operations

For Maintenance Personnel

GT10

iQ Platform

ME/SEC

Process Control

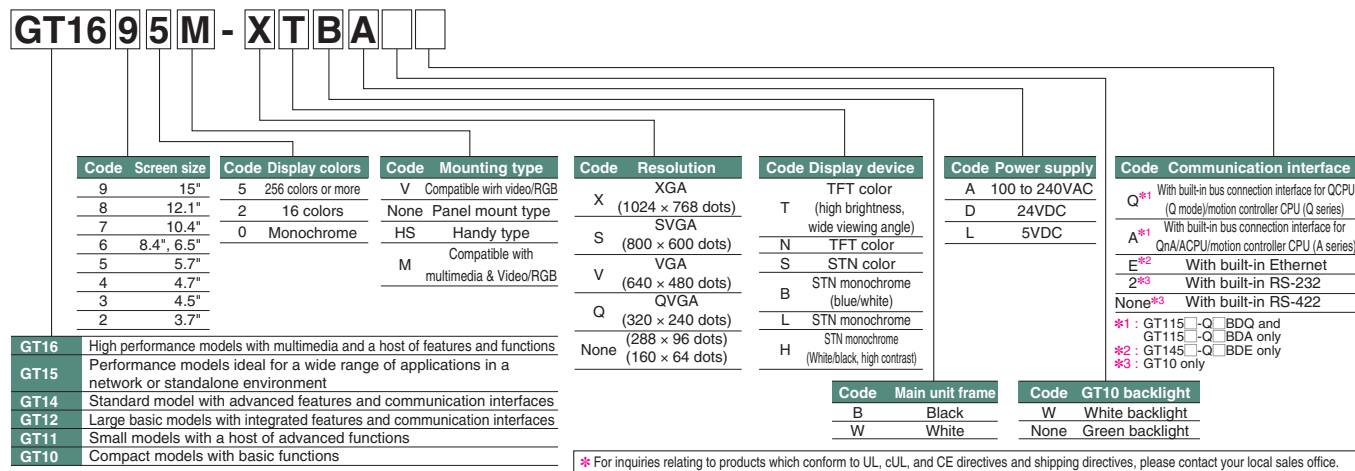
Specifications

External Dimensions

List of Connectable Models, etc.

Product list

Main unit model name



GOT main units

Model name			Screen size [resolution]	Display	Display colors (number of colors)	Power supply	Memory size	Remarks		
GT16	GT1695	GT1695M-XTBA	15" XGA	TFT color LCD	65,536 colors	100-240VAC	15MB	Compatible with multimedia & Video/RGB		
		GT1695M-XTBD	[1024 × 768 dots]	(high brightness, wide viewing angle)	24VDC					
	GT1685	GT1685M-STBA	12.1" SVGA	TFT color LCD	65,536 colors	100-240VAC	15MB	Compatible with multimedia & Video/RGB		
		GT1685M-STBD	[800 × 600 dots]	(high brightness, wide viewing angle)	24VDC					
	GT167	GT1675M-STBA	10.4" SVGA	TFT color LCD	65,536 colors	100-240VAC	15MB	Compatible with multimedia & Video/RGB		
		GT1675M-STBD	[800 × 600 dots]	(high brightness, wide viewing angle)	24VDC					
		GT1675M-VTBA	10.4" VGA [640 × 480 dots]	TFT color LCD	65,536 colors	100-240VAC	15MB	Compatible with multimedia & Video/RGB		
		GT1675M-VTBD		(high brightness, wide viewing angle)	24VDC					
		GT1675-VNBA*		TFT color LCD	4,096 colors	100-240VAC				
		GT1675-VNBD*		24VDC						
	GT1672-VNBD*	TFT color LCD	16 colors	100-240VAC	11MB	—				
		24VDC								
		GT166	GT1665M-STBA	8.4" SVGA	TFT color LCD	65,536 colors	100-240VAC	15MB	Compatible with multimedia & Video/RGB	
			GT1665M-STBD	[800 × 600 dots]	(high brightness, wide viewing angle)	24VDC				
GT1665M-VTBA	8.4" VGA [640 × 480 dots]		TFT color LCD	65,536 colors	100-240VAC	15MB	Compatible with multimedia & Video/RGB			
GT1665M-VTBD			(high brightness, wide viewing angle)	24VDC						
GT1662-VNBA*		TFT color LCD	16 colors	100-240VAC	11MB			—		
GT1662-VNBD*	24VDC									
GT1655	GT1655-VTBD*	5.7" VGA [640 × 480 dots]	TFT color LCD (high brightness, wide viewing angle)	65,536 colors	24VDC	15MB	—			
Handy GOT	GT1665HS-VTBD*	6.5" VGA [640 × 480 dots]	TFT color LCD (high brightness, wide viewing angle)	65,536 colors	24VDC	15MB	—			
GT15	GT1595	GT1595-XTBA	15" XGA	TFT color LCD	65,536 colors	100-240VAC	9MB	—		
		GT1595-XTBD	[1024 × 768 dots]	(high brightness, wide viewing angle)	24VDC					
	GT1585	GT1585V-STBA	12.1" SVGA [800 × 600 dots]	TFT color LCD	65,536 colors	100-240VAC	9MB	Compatible with Video/RGB		
		GT1585V-STBD		(high brightness, wide viewing angle)	24VDC					
		GT1585-STBA		TFT color LCD	100-240VAC					
		GT1585-STBD		(high brightness, wide viewing angle)	24VDC					
	GT157	GT1575V-STBA	10.4" SVGA [800 × 600 dots]	TFT color LCD	65,536 colors	100-240VAC	9MB	Compatible with Video/RGB		
		GT1575V-STBD		(high brightness, wide viewing angle)	24VDC					
		GT1575-STBA		TFT color LCD	100-240VAC					
		GT1575-STBD		(high brightness, wide viewing angle)	24VDC					
		GT157	GT1575-VTBA	10.4" VGA [640 × 480 dots]	TFT color LCD	65,536 colors	100-240VAC		9MB	—
			GT1575-VTBD		(high brightness, wide viewing angle)	24VDC				
			GT1575-VNBA		TFT color LCD	100-240VAC				
			GT1575-VNBD		(high brightness, wide viewing angle)	24VDC				
	GT1572-VNBD	TFT color LCD	16 colors	100-240VAC	5MB	—				
		24VDC								
		GT1565-VTBA	8.4" VGA [640 × 480 dots]	TFT color LCD	65,536 colors		100-240VAC	9MB	—	
				GT1565-VTBD	(high brightness, wide viewing angle)		24VDC			
GT1562-VNBA	TFT color LCD			16 colors	100-240VAC					
GT1562-VNBD	24VDC									
GT155	GT1555-VTBD	5.7" VGA [640 × 480 dots]	TFT color LCD	65,536 colors	24VDC	9MB	—			
	GT1555-VTBD		(high brightness, wide viewing angle)	24VDC						
	GT1555-QTBD		5.7" QVGA	STN color LCD	4,096 colors					
	GT1555-QSBD		[320 × 240 dots]	STN monochrome LCD	Monochrome (black/white) 16 gray scales					
GT1550-QLBD	5.7" QVGA	TFT color LCD	65,536 colors	24VDC	9MB	—				
	[320 × 240 dots]	STN monochrome LCD	Monochrome (black/white) 16 gray scales							
GT14	GT145	GT1455-QTBD*	5.7" QVGA	TFT color LCD	65,536 colors	24VDC	9MB	—		
		GT1450-QLBDE*	[320 × 240 dots]	STN monochrome LCD	Monochrome (black/white) 16 gray scales					
GT12	GT1275	GT1275-VNBA	10.4" VGA	TFT color LCD	256 colors	100-240VAC	6MB	—		
	GT1265	GT1275-VNBD	[640× 480 dots]	(high brightness, wide viewing angle)	24VDC					
		GT1265-VNBA	8.4" VGA	TFT color LCD	100-240VAC					
		GT1265-VNBD	[640 × 480 dots]	(high brightness, wide viewing angle)	24VDC					
GT11	GT1155	GT1155-QTBD	5.7" QVGA [320 × 240 dots]	TFT color LCD	256 colors	24VDC	3MB	—		
		GT1155-QTBDQ		STN color LCD	Monochrome (black/white) 16 gray scales	Dedicated to Q bus connection Dedicated to A bus connection				
		GT1155-QTBDQ								
		GT1155-QSBD								
	GT1155-QSBDQ									
	GT1150	GT1155-QSBDQ	STN monochrome LCD	Monochrome (black/white) 16 gray scales	Dedicated to Q bus connection Dedicated to A bus connection					
		GT1155-QSBDQ								
		GT1150-QLBD								
GT1150-QLBDQ										
Handy GOT	GT1150-QLBDA	STN color LCD	256 colors	Dedicated to Q bus connection Dedicated to A bus connection						
	GT1155HS-QSBD									
		GT1150HS-QLBD								
GT10	GT105	GT1055-QSBD	5.7" QVGA	STN color LCD	256 colors	24VDC	3MB	—		
		GT1050-QBBD	[320 × 240 dots]	STN monochrome LCD	Monochrome (blue/white) 16 gray scales	24VDC	3MB	—		
	GT104	GT1045-QSBD	4.7" QVGA	STN color LCD	256 colors	24VDC	3MB	—		
		GT1040-QBBD	[320 × 240 dots]	STN monochrome LCD	Monochrome (blue/white) 16 gray scales	24VDC	3MB	—		

GOT main units

Model name			Screen size [resolution]	Display		Display colors (number of colors)	Power supply	Memory size	Remarks			
GT10	GT1030	GT1030-HBD ^{*†} ₁	4.5" [288 × 96 dots]	STN monochrome LCD (High contrast)	Frame color	Monochrome (black/white)	3-color LED (green, orange, red)	24VDC	1.5MB	Dedicated to RS-422 connection		
		GT1030-HBD ^{*†} ₂			5VDC		Dedicated to RS-232 connection					
		GT1030-HBL ^{*†} ₁			Black		3-color LED (white, pink, red)	24VDC		Dedicated to RS-422FX connection		
		GT1030-HBDW ^{*†} ₁						5VDC		Dedicated to RS-232 connection		
		GT1030-HBLW ^{*†} ₁	4.5" [288 × 96 dots]	STN monochrome LCD (High contrast)	White	Monochrome (black/white)	3-color LED (green, orange, red)	24VDC	1.5MB	Dedicated to RS-422 connection		
		GT1030-HWD ^{*†} ₁					5VDC	Dedicated to RS-232 connection				
		GT1030-HWD ^{*†} ₂					Black	3-color LED (white, pink, red)		24VDC	Dedicated to RS-422FX connection	
		GT1030-HWL ^{*†} ₁								5VDC	Dedicated to RS-232 connection	
	GT1020	GT1030-HWDW ^{*†} ₁	3.7" [160 × 64 dots]	STN monochrome LCD	Black	Monochrome (black/white)	3-color LED (green, orange, red)	24VDC	512KB	Dedicated to RS-422 connection		
		GT1030-HWDW ^{*†} ₂					5VDC	Dedicated to RS-232 connection				
		GT1030-HWLW ^{*†} ₁					White	Monochrome (black/white)		3-color LED (white, pink, red)	24VDC	Dedicated to RS-422FX connection
		GT1020-LBD								5VDC	Dedicated to RS-232 connection	
		GT1020-LBD2	3.7" [160 × 64 dots]	STN monochrome LCD	Black	Monochrome (black/white)	3-color LED (green, orange, red)	24VDC	512KB	Dedicated to RS-422 connection		
		GT1020-LBL					5VDC	Dedicated to RS-232 connection				
		GT1020-LBDW					White	Monochrome (black/white)		3-color LED (white, pink, red)	24VDC	Dedicated to RS-422FX connection
		GT1020-LBDW2								5VDC	Dedicated to RS-232 connection	
GT1020	GT1020-LBLW	3.7" [160 × 64 dots]	STN monochrome LCD	White	Monochrome (black/white)	3-color LED (green, orange, red)	24VDC	512KB	Dedicated to RS-422 connection			
	GT1020-LWD					5VDC	Dedicated to RS-232 connection					
	GT1020-LWD2					Black	Monochrome (black/white)		3-color LED (white, pink, red)	24VDC	Dedicated to RS-422FX connection	
	GT1020-LWL								5VDC	Dedicated to RS-232 connection		
	GT1020-LWDW	White	Monochrome (black/white)	3-color LED (white, pink, red)	24VDC	Dedicated to RS-422 connection						
	GT1020-LWDW2			5VDC	Dedicated to RS-232 connection							
GT1020-LWLW	5VDC	Dedicated to RS-422FX connection										

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

Communication interface

Product name	Model name	Specifications		Applicable model						
				GT16	GT15	GT14	GT12	GT11	Handy GOT	GT10
Bus connection unit	GT15-QBUS	Bus connection (1ch) unit standard model for QCPU (Q mode)/motion controller CPU (Q series)		●	●	—	—	—	—	—
	GT15-QBUS2	Bus connection (2ch) unit standard model for QCPU (Q mode)/motion controller CPU (Q series)		●	●	—	—	—	—	—
	GT15-ABUS	Bus connection (1ch) unit standard model for QnA/ACPU/motion controller CPU (A series)		●	●	—	—	—	—	—
	GT15-ABUS2	Bus connection (2ch) unit standard model for QnA/ACPU/motion controller CPU (A series)		●	●	—	—	—	—	—
	GT15-75QBUSL	Bus connection (1ch) unit thin model ^{*1} for QCPU (Q mode)/motion controller CPU (Q series)		●	●	—	—	—	—	—
	GT15-75QBUS2L	Bus connection (2ch) unit thin model ^{*1} for QCPU (Q mode)/motion controller CPU (Q series)		●	●	—	—	—	—	—
	GT15-75ABUSL	Bus connection (1ch) unit thin model ^{*1} for QnA/ACPU/motion controller CPU (A series)		●	●	—	—	—	—	—
Serial communication unit	GT15-75ABUS2L	Bus connection (2ch) unit thin model ^{*1} for QnA/ACPU/motion controller CPU (A series)		●	●	—	—	—	—	—
	GT15-RS2-9P	RS-232 serial communication unit (D-sub 9-pin (male))		●	●	—	—	—	—	—
	GT15-RS4-9S	RS-422/485 serial communication unit (D-sub 9-pin (female)) ^{*2 *3}		●	●	—	—	—	—	—
	GT15-RS4-TE	RS-422/485 serial communication unit (terminal block) ^{*2} [*] Usable only when connecting to temperature controllers/indicating controllers via RS-485 or in GOT multi-drop connection		●	●	—	—	—	—	—
RS-422 conversion unit	GT15-RS2T4-9P GT15-RS2T4-25P	RS-232→RS-422 conversion unit	RS-422 connector: 9-pin RS-422 connector: 25-pin	● ^{*5} ● ^{*6}	● ^{*4} ● ^{*4}	—	—	—	—	—
MELSECNET/H communication unit	GT15-J71LP23-25 GT15-J71BR13	Standard station unit (optical loop) Standard station unit (coaxial bus)		● ^{*6} ●	● ^{*4} ●	—	—	—	—	—
CC-Link IE Controller Network communication unit	GT15-J71GP23-SX	Standard 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 (supporting CC-Link version 2)		●	●	—	—	—	—	—
Ethernet communication unit	GT15-J71E71-100	Ethernet (100Base-TX) unit		—	●	—	—	—	—	—
Serial multi-drop connection unit	GT01-RS4-M	For GOT multi-drop connection		—	● ^{*5}	●	● ^{*5}	● ^{*5}	—	● ^{*5}
Connector conversion adapter	GT10-9PT5S	Conversion connector between D sub 9-pin male and Europe terminal block 5-pin		—	—	●	● ^{*5}	● ^{*5}	—	● ^{*5}
RS-232/485 Signal Conversion Adapter	GT14-RS2T4-9P NEW	Conversion adapter from RS-232 to RS-485		—	—	●	—	—	—	—
CC-Link interface unit	GT11HS-CCL	CC-Link interface unit for Handy GOT		—	—	—	—	—	●	—
	GT11H-CCL			—	—	—	—	—	●	—

- *1: The unit cannot be used stacked on other units.
- *2: The unit may not be able to be used depending on the connection destination. See "List of connectable models" (page 65).
- *3: The unit cannot be used when connecting to temperature controllers/indicating controllers via RS-485 (2-wire type).
- *4: The unit cannot be used with the GT155.
- *5: For the hardware version compatibility with GT15, please contact your local sales office.
- *6: For the instructions for connection of GT16/GT15, please contact your local sales office.
- *7: The unit cannot be used with the GT1655.
- *7: When using the unit in a direct connection with a QCPU, only the QnUCPU is supported.

Optional units

Product name	Model name	Specifications	Applicable model						
			GT16	GT15	GT14	GT12	GT11	Handy GOT	GT10
Printer unit	GT15-PRN	USB slave (PictBridge) for printer connection, 1ch * Cable for printer connection (3m) included	●	●	—	—	—	—	—
Multimedia unit	GT16M-MMR	For video input (NTSC/PAL) 1ch Record video images/play video files	●*2	—	—	—	—	—	—
Video input unit	GT16M-V4	For video input (NTSC/PAL) 4ch	●*2	—	—	—	—	—	—
	GT15V-75V4	For video input (NTSC/PAL) 4ch	—	●*3	—	—	—	—	—
RGB input unit	GT16M-R2	For analog RGB input 2ch	●*2	—	—	—	—	—	—
	GT15V-75R1	For analog RGB input 1ch	—	●*3	—	—	—	—	—
Video/RGB input unit	GT16M-V4R1	For video input (NTSC/PAL) 4ch / analog RGB 1ch composite input	●*2	—	—	—	—	—	—
	GT15V-75V4R1	For video input (NTSC/PAL) 4ch / analog RGB 1ch composite input	—	●*3	—	—	—	—	—
RGB output unit	GT16M-ROUT	For analog RGB output 1ch	●*2	—	—	—	—	—	—
	GT15V-75ROUT	For analog RGB output 1ch	—	●*3	—	—	—	—	—
CF card unit	GT15-CFCD	For additional CF card port (B drive) on the back of the GOT	●	●	—	—	—	—	—
CF card extension unit	GT15-CFEX-C08SET	For additional CF card port (B drive) at the front of the control panel*1	●	●	—	—	—	—	—
Sound output unit	GT15-SOUT	For sound output	●	●	—	—	—	—	—
External input/output unit	GT15-DIOR	For external input/output devices and operation panel connection (negative common input / source type output)	●	●	—	—	—	—	—
	GT15-DIO	For external input/output devices and operation panel connection (positive common input / sink type output)	●	●	—	—	—	—	—

*1 : Includes unit to be installed on the control panel, unit to be installed on the GOT, and connection cable (0.8m).

*3: Only the GT1585V and GT1575V are supported.

Product list

Software

Product name	Model name	Contents			
HMI Screen Design Software MELSOFT GT Works3 Version1	SW1DNC-GTWK3-E	Single license	*CD-ROM	English version	
	SW1DNC-GTWK3-EA	Multiple-license*1	*CD-ROM	English version	
FA Integrated Engineering Software MELSOFT iQ Works*3	SW1DNC-IQWK-E	Single license	*CD-ROM	English version	
	SW1DND-IQWK-E	Single license	*DVD-ROM	English version	
License key for GT SoftGOT1000*4	GT15-SGTKEY-U	For USB port			
Personal computer remote operation function (Ethernet) license*5	GT16-PCRAKEY	1 license			
VNC® server function license*5	GT16-VNCSKEY NEW	1 license			

*1: The desired number of licenses (2 or more) can be purchased. For details, please contact your local sales office.
*2: Multiple-license product and additional license product are also available. For more details, please refer to the MELSOFT iQ Works catalog (L(NA)08232).
*3: The product includes the following software.
• System Management Software [MELSOFT Navigator] • Programmable Controller Engineering Software [MELSOFT GX Works2]
• Servo Setup Software [MELSOFT MT Configurator2] • Screen Design Software for Graphic Operation Terminal [MELSOFT GT Works3] • Motion Controller Engineering Software [MELSOFT MT Works2]
*4: To use GT SoftGOT1000, a license key for GT SoftGOT1000 is necessary for each personal computer.
*5: 1 license is required for 1 GOT unit.

Options

Product name	Model name	Specifications	Applicable model						
			GT16	GT15	GT14	GT12	GT11	Handy GOT	GT10
Backlight	GT16-90XLTT	For GT1695M-XTB ☐	●	—	—	—	—	—	—
	GT16-80SLTT	For GT1685M-STB ☐	●	—	—	—	—	—	—
	GT16-70SLTT	For GT1675M-STB ☐	●	—	—	—	—	—	—
	GT16-70VLT	For GT1675M-VTB ☐ *1	●	—	—	—	—	—	—
	GT16-70VLT TA	For GT1675M-VTB ☐ *2	●	—	—	—	—	—	—
	GT16-70VLT N	For GT1675-VNB ☐ /GT1672-VNB ☐	●	—	—	—	—	—	—
	GT16-60SLTT	For GT1665M-STB ☐	●	—	—	—	—	—	—
	GT16-60VLT	For GT1665M-VTB ☐	●	—	—	—	—	—	—
	GT16-60VLT N	For GT1662-VNB ☐	●	—	—	—	—	—	—
	GT15-90XLTT	For GT1595-XTB ☐	—	●	—	—	—	—	—
	GT15-80SLTT	For GT1585V-STB ☐ /GT1585-STB ☐	—	●	—	—	—	—	—
	GT15-70SLTT	For GT1575-STB ☐ *3	—	●	—	—	—	—	—
	GT15-70VLT	For GT1575V-STB ☐ /GT1575-VTB ☐ /GT1575-STB ☐ *4	—	●	—	—	—	—	—
	GT15-70VLT N	For GT1575-VNB ☐ /GT1572-VNB ☐	—	●	—	—	—	—	—
	GT15-60VLT	For GT1565-VTB ☐	—	●	—	—	—	—	—
	GT15-60VLT N	For GT1562-VNB ☐	—	●	—	—	—	—	—
	GT12-70VLT N	For GT1275-VNB ☐	—	—	—	●	—	—	—
	GT12-60VLT N	For GT1265-VNB ☐	—	—	—	●	—	—	—
Optional function board	GT16-MESB	For MES interface function	●	—	—	—	—	—	—
	GT15-FNB	(No expansion memory)	—	●	—	—	—	—	—
	GT15-QFNB	(No expansion memory)	—	●	—	—	—	—	—
	GT15-QFNB16M	* The required optional function board varies depending on the GOT main unit and function.	—	●	—	—	—	—	—
	GT15-QFNB32M	+ 16MB expansion memory	—	●	—	—	—	—	—
	GT15-QFNB48M	+ 32MB expansion memory	—	●	—	—	—	—	—
	GT15-MESB48M	+ 48MB expansion memory	—	●	—	—	—	—	—
GT10 memory loader	GT10-LDR	For GT1030/GT1020 (for OS project data transfer) no power source required	—	—	—	—	—	—	●
	GT10 memory board	For GT105 ☐ /GT104 ☐ (for OS and project data transfer)	—	—	—	—	—	—	●
Protective sheet	GT16-90PSCB	Clear, 5 sheets	●	—	—	—	—	—	—
	GT16-90PSGB	Anti-glare, 5 sheets	●	—	—	—	—	—	—
	GT16-90PSCW	Clear (frame: white), 5 sheets	●	—	—	—	—	—	—
	GT16-90PSGW	Anti-glare (frame: white), 5 sheets	●	—	—	—	—	—	—
	GT16-90PSCB-012	Clear (USB protective cover type), 5 sheets*14	●	—	—	—	—	—	—
	GT15-90PSCB	Clear, 5 sheets	—	●	—	—	—	—	—
	GT15-90PSGB	Anti-glare, 5 sheets	—	●	—	—	—	—	—
	GT15-90PSCW	Clear (frame: white), 5 sheets	—	●	—	—	—	—	—
	GT15-90PSGW	Anti-glare (frame: white), 5 sheets	—	●	—	—	—	—	—
	GT16-80PSCB	Clear, 5 sheets	●	—	—	—	—	—	—
	GT16-80PSGB	Anti-glare, 5 sheets	●	—	—	—	—	—	—
	GT16-80PSCW	Clear (frame: white), 5 sheets	●	—	—	—	—	—	—
	GT16-80PSGW	Anti-glare (frame: white), 5 sheets	●	—	—	—	—	—	—
	GT16-80PSCB-012	Clear (USB protective cover type), 5 sheets*14	●	—	—	—	—	—	—
	GT15-80PSCB	Clear, 5 sheets	—	●	—	—	—	—	—
	GT15-80PSGB	Anti-glare, 5 sheets	—	●	—	—	—	—	—
	GT15-80PSCW	Clear (frame: white), 5 sheets	—	●	—	—	—	—	—
	GT15-80PSGW	Anti-glare (frame: white), 5 sheets	—	●	—	—	—	—	—
	GT16-70PSCB	Clear, 5 sheets	●	—	—	—	—	—	—
	GT16-70PSGB	Anti-glare, 5 sheets	●	—	—	—	—	—	—
	GT16-70PSCW	Clear (frame: white), 5 sheets	●	—	—	—	—	—	—
	GT16-70PSGW	Anti-glare (frame: white), 5 sheets	●	—	—	—	—	—	—
	GT16-70PSCB-012	Clear (USB protective cover type), 5 sheets*14	●	—	—	—	—	—	—
	GT15-70PSCB	Clear, 5 sheets	—	●	—	—	—	—	—
	GT15-70PSGB	Anti-glare, 5 sheets	—	●	—	—	—	—	—
	GT15-70PSCW	Clear (frame: white), 5 sheets	—	●	—	—	—	—	—
	GT15-70PSGW	Anti-glare (frame: white), 5 sheets	—	●	—	—	—	—	—
	GT11-70PSCB	Clear, 5 sheets	—	—	—	●	—	—	—
	GT16H-60PSC	Protective sheet for 6.5" screen (for GT16 Handy GOT)	●	—	—	—	—	—	—
	GT16-50PSCB	Clear, 5 sheets	●	—	—	—	—	—	—
	GT16-50PSGB	Anti-glare, 5 sheets	●	—	—	—	—	—	—
	GT16-50PSCW	Clear (frame: white), 5 sheets	●	—	—	—	—	—	—
	GT16-50PSGW	Anti-glare (frame: white), 5 sheets	●	—	—	—	—	—	—
	GT16-50PSCB-012	Clear (USB protective cover type), 5 sheets*14	●	—	—	—	—	—	—
	GT15-50PSCB	Clear, 5 sheets	—	●	—	—	—	—	—
	GT15-50PSGB	Anti-glare, 5 sheets	—	●	—	—	—	—	—
	GT15-50PSCW	Clear (frame: white), 5 sheets	—	●	—	—	—	—	—
	GT15-50PSGW	Anti-glare (frame: white), 5 sheets	—	●	—	—	—	—	—
	GT14-50PSCB NEW	Clear, 5 sheets	—	—	●	—	—	—	—
	GT14-50PSGB NEW	Anti-glare, 5 sheets	—	—	●	—	—	—	—
	GT14-50PSCW NEW	Clear (frame: white), 5 sheets	—	—	●	—	—	—	—
	GT14-50PSGW NEW	Anti-glare (frame: white), 5 sheets	—	—	●	—	—	—	—
	GT11-50PSCB	Clear, 5 sheets	—	—	—	—	●	—	—
	GT11-50PSGB	Anti-glare, 5 sheets	—	—	—	—	●	—	—
	GT11-50PSCW	Clear (frame: white), 5 sheets	—	—	—	—	●	—	—
	GT11-50PSGW	Anti-glare (frame: white), 5 sheets	—	—	—	—	●	—	—

Options

Product name		Model name	Specifications		Applicable model							
					GT16	GT15	GT14	GT12	GT11	Handy GOT	GT10	
Protective sheet	GT11H-50PSC		Protective sheet for 5.7" screen (for GT11 Handy GOT)		Clear, 5 sheets	—	—	—	—	—	●	
	GT10-50PSCB		Protective sheet for 5.7" screen (for GT105□)		Clear, 5 sheets	—	—	—	—	—	●	
	GT10-50PSGB				Anti-glare, 5 sheets	—	—	—	—	—	●	
	GT10-50PSCW				Clear (frame: white), 5 sheets	—	—	—	—	—	●	
	GT10-50PSGW				Anti-glare (frame: white), 5 sheets	—	—	—	—	—	●	
	GT10-40PSCB		Protective sheet for 4.7" screen (for GT104□)		Clear, 5 sheets	—	—	—	—	—	●	
	GT10-40PSGB				Anti-glare, 5 sheets	—	—	—	—	—	●	
	GT10-40PSCW				Clear (frame: white), 5 sheets	—	—	—	—	—	●	
	GT10-40PSGW				Anti-glare (frame: white), 5 sheets	—	—	—	—	—	●	
	GT10-30PSCB		Protective sheet for 4.5" screen (for GT1030)		Clear, 5 sheets	—	—	—	—	—	●	
	GT10-30PSGB				Anti-glare, 5 sheets	—	—	—	—	—	●	
	GT10-30PSCW				Clear (frame: white), 5 sheets	—	—	—	—	—	●	
	GT10-30PSGW				Anti-glare (frame: white), 5 sheets	—	—	—	—	—	●	
	GT10-20PSCB		Protective sheet for 3.7" screen (for GT1020)		Clear, 5 sheets	—	—	—	—	—	●	
GT10-20PSGB		Anti-glare, 5 sheets			—	—	—	—	—	●		
GT10-20PSCW		Clear (frame: white), 5 sheets			—	—	—	—	—	●		
GT10-20PSGW		Anti-glare (frame: white), 5 sheets			—	—	—	—	—	●		
USB protective cover	GT16-UCOV		Protective cover for USB interface on main unit front panel (for replacement)		For 15"/12.1"/10.4"/8.4"	●	—	—	—	—	—	
	GT16-50UCOV				For 5.7"	●	—	—	—	—	—	
	GT15-UCOV				For 15"/12.1"/10.4"/8.4"	—	●	—	—	—	—	
	GT14-50UCOV NEW				For 5.7"	—	—	●	—	—	—	
	GT11-50UCOV				For 5.7"	—	●	—	—	●	—	—
Oil resistant cover ^{*7}	GT05-90PCO		Oil resistant cover for 15" screen		●	●	—	—	—	—	—	
	GT05-80PCO		Oil resistant cover for 12.1" screen		●	●	—	—	—	—	—	
	GT05-70PCO		Oil resistant cover for 10.4" screen		●	●	—	—	—	—	—	
	GT05-60PCO		Oil resistant cover for 8.4" screen		●	●	—	—	—	—	—	
	GT16-50PCO		Oil resistant cover for 5.7" screen		●	—	—	—	—	—	—	
	GT05-50PCO		Oil resistant cover for 5.7" screen		—	●	●	—	●	—	●	
	GT10-40PCO		Oil resistant cover for 4.7" screen		—	—	—	—	—	—	●	
	GT10-30PCO		Oil resistant cover for 4.5" screen		—	—	—	—	—	—	●	
	GT10-20PCO		Oil resistant cover for 3.7" screen		—	—	—	—	—	—	●	
	GT16H-60ESCOV		Cover for accidental operation prevention of emergency stop switch (for GT16 Handy GOT)		—	—	—	—	—	●	—	
Emergency stop switch guard	GT11H-50ESCOV		Cover for accidental operation prevention of emergency stop switch (for GT11 Handy GOT)		—	—	—	—	—	●	—	
	GT15-90STAND		Stand for 15" type		●	●	—	—	—	—	—	
Stand	GT15-80STAND		Stand for 12.1" type		●	●	—	—	—	—	—	
	GT15-70STAND		Stand for 10.4"/8.4" type		●	●	—	●	—	—	—	
Memory card	GT05-50STAND		Stand for 5.7" type		●	●	●	—	●	—	●	
	CF card	GT05-MEM-128MC		128MB flash ROM		●	●	—	●	●	—	—
		GT05-MEM-256MC		256MB flash ROM		●	●	—	●	●	—	—
		GT05-MEM-512MC		512MB flash ROM		●	●	—	●	●	—	—
		GT05-MEM-1GC		1GB flash ROM		●	●	—	●	●	—	—
		GT05-MEM-2GC		2GB flash ROM		●	●	—	●	●	—	—
		GT05-MEM-4GC		4GB flash ROM		●	—	—	—	—	● ^{#10}	—
		GT05-MEM-8GC		8GB flash ROM		●	—	—	—	—	● ^{#10}	—
		GT05-MEM-16GC		16GB flash ROM		●	—	—	—	—	● ^{#10}	—
		SD card	L1MEM-2GBSD NEW		2GB SD memory card		—	—	—	●	—	—
	L1MEM-4GBSD NEW		4GB SDHC memory card		—	—	—	●	—	—	—	
Memory card adapter		GT05-MEM-ADPC		CF card—memory card (TYPE II) conversion adapter		●	●	—	●	●	—	
Attachment	GT15-70ATT-98		A985GOT ^{#8}		GT167□ → GT157□ GT1275	●	●	—	●	—	—	
	GT15-70ATT-87		Attachment for 10.4" type A870GOT-SWS A870GOT-TWS A8GT-70GOT-TW		A8GT-70GOT-TB A8GT-70GOT-SW A8GT-70GOT-SB	●	●	—	●	—	—	
	GT15-60ATT-97		A97□GOT		GT166□ → GT156□ GT1265	●	●	—	●	—	—	
	GT15-60ATT-96		A960GOT			●	●	—	●	—	—	
	GT15-60ATT-87		Attachment for 8.4" type A870GOT-EWS A8GT-70GOT-EW A8GT-70GOT-EB			A77GOT-EL-S5 A77GOT-EL-S3 A77GOT-EL	●	●	—	●	—	
	GT15-60ATT-77		A77GOT-CL-S5 A77GOT-CL-S3 A77GOT-CL			A77GOT-L-S5 A77GOT-L-S3 A77GOT-L	●	●	—	—	—	
	GT15-50ATT-95W		Attachment for 5.7" type A956WGOT		F940WGOT	GT1655 GT155□ → GT145□ GT115□	●	●	●	—	●	—
	GT15-50ATT-85		A85□GOT		—	●	●	●	—	●	—	
	Battery		GT15-BAT		Battery for backup of clock data and maintenance time notification data		● ^{#11}	●	—	—	—	● ^{#13}
	GT11-50BAT		Battery for backup of clock data, alarm history, recipe data, time action set values (for replacement)		● ^{#12}	—	●	●	●	—	● ^{#9}	● ^{#6}

Product list

Cables

Product name		Model name	Cable length	Third party products *1	Application	Applicable model *2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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Bus connection cable for QCPU (Q mode)	QCPU extension cable GOT-to-GOT connection cable	GT15-QC06B	0.6m	○	For connection between QCPU and GOT For connection between GOT and GOT	●	●	—	—	●	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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		GT15-QC100B	10m																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	Long-distance connection cable for QCPU GOT-to-GOT long-distance connection cable	GT15-QC150BS	15m	○	For long-distance (13.2m or more) connection between QCPU and GOT (A9GT-QCNB required) For long-distance connection between GOT and GOT	●	●	—	—	●	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
GT15-QC200BS		20m																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
GT15-QC250BS		25m																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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Bus extension connector box		A9GT-QCNB	—	—	Used for QCPU long-distance (13.2m or more) bus connection	●	●	—	—	●	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Large CPU extension cable		GT15-C12NB	1.2m	○	For connection between QnA/ACPU/motion controller CPU (A series, extension base) and GOT	●	●	—	—	●	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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		GT15-AC12B	1.2m	○	For connection between QnA/ACPU/motion controller CPU (A series, extension base) and A7GT-CNB	●	●	—	—	●	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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		GT15-A370C25B-S1	2.5m	○	For connection between motion controller CPU (A series, main base) and GOT	●	●	—	—	●	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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		Small CPU extension cable		GT15-A1SC07B	0.7m	○	For connection between QnA/AnSCPU/motion controller CPU (A series) and GOT	●	●	—	—	●	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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GT15-A1SC05NB	0.45m			○	For connection between QnA/AnSCPU/motion controller CPU (A series) and A7GT-CNB	●	●	—	—	●	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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Small CPU long-distance connection cable		GT15-C100EXSS-1	10.6m	○	For long-distance connection between QnA/AnSCPU/ motion controller CPU (A series) and GOT For long-distance connection between A7GT-CNB and GOT *Set of GT15-EXCNB and GT15-C100BS	●	●	—	—	●	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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GOT-to-GOT connection cable		GT15-C07BS	0.7m	○	For connection between GOT and GOT	●	●	—	—	●	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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GOT-to-GOT long-distance connection cable		GT15-C100BS	10m	○	For connection between GOT and GOT	●	●	—	—	●	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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A0J2HCPU connection cable		GT15-J2C10B	1m	○	For connection between power supply unit (A0J2-PW) for A0J2HCPU and GOT Used for QnA/ACPU long-distance bus connection	●	●	—	—	●	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Bus connector conversion box		A7GT-CNB	—	—	Used for QnA/ACPU long-distance bus connection	●	●	—	—	●	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Buffer circuit cable		GT15-EXCNB	0.5m	○	Usable as GT15-C100EXSS-1 in combination with GT15-C100BS	●	●	—	—	●	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Ferrite core set for Q bus cable (two-pack)		GT15-QFC	—	○	Ferrite cores for replacing existing GOT-A900 bus cable with bus cable for GOT1000	●	●	—	—	●	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Ferrite core set for A bus cable (two-pack)		GT15-AFC	—	○		●	●	—	—	●	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
RS-422 conversion cable		GT16-C02R4-9S	0.2m	○	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 9 pins)	●	—	—	—	—	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		GT16-C02R4-25S	0.2m	○	For connection between RS-422/485 (connector) of GT16 and RS-422 cable (D-sub 25 pins)	●	—	—	—	—	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
RS-485 terminal block conversion unit		FA-LTBGTR4CBL05	0.5m	○	RS-485 terminal block conversion unit	●	—	—	—	—	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		FA-LTBGTR4CBL10	1m		*With cable for connection between RS-422/485 (connector) of GT16 and RS-485 terminal block conversion unit	●	—	—	—	—	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		FA-LTBGTR4CBL20	2m			●	—	—	—	—	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
QnA/A/FXCPU direct connection cable Computer link connection cable		GT01-C30R4-25P	3m	—	For connection between QnA/ACPU/motion controller CPU (A series)/FXCPU (D-sub 25-pin connector) and GOT For connection between FA-CNV100CBL and GOT For connection between serial communication unit and GOT For connection between AJ65BT-G4-S3 and GOT	●*6	●	●	●	●	●*3	●*4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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		GT10-C100R4-25P	10m	—	For connection between QnA/A/FXCPU (D-sub 25-pin connector) and GOT For connection between serial communication unit (AJ71QC24(N)-R4) and GOT	—	—	—	—	—	●*5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Computer link connection cable		GT09-C200R4-6C	20m	○	For connection between serial communication unit and GOT For connection between computer link unit and GOT	●*6	●	●	●	●	●*3	●*4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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		GT01-C10R4-8P	1m								For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT		●*6	●	●	●	●	●*3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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FXCPU direct connection cable FX communication function extension board connection cable		GT10-C10R4-8P	1m	—	For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT *The unit cannot be used with the FX1NC, FX2NC, FX3UC-D/SSS, FX3G.	—	—	—	—	—	—	●*5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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Connector conversion cable for F930→GT1030 replacement		GT10-C02H-9SC	0.2m	—	For connection between FXCPU (MINI-DIN 8-pin connector) and GOT For connection between FXCPU communication function extension board (MINI-DIN 8-pin connector) and GOT *The unit cannot be used with the FX1NC, FX2NC, FX3UC-D/SSS, FX3G.	—	—	—	—	—	—	●*5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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RS-232 cable	Q/LCPU direct connection cable Data transfer cable	GT01-C30R2-6P	3m	—	For connection between Q/LCPU and GOT/personal computer (GT SoftGOT1000) (D-sub 9-pin) For connection between personal computer (screen design software) (D-sub 9-pin, female) and GOT (MINI-DIN 6-pin, male)	●	●	●	●	—	—	●*4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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		GT11H-C30R2-6P	3m															For connector conversion box between Q/LCPU and Handy GOT	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—</

Product list

Notes for use

Cables for third party FA devices

Product name		Model name	Cable length	Third party products *1	GOT connection destination	Applicable model *2						
						GT16	GT15	GT14	GT12	GT11	Handy GOT	GT10
RS-232 cable	Cable for YASKAWA Electric PLC	GT09-C30R20201-9P	3m		PLC CPU: GL120/GL130/MP-920/MP-930/CP-9200(H)/PROGIC-8 (port 1) MEMOBUS module: JAMSC-IF60/JAMSC-IF61 Communication module: 217IF/CP-217IF (when connected to CN1)/217IF-01/218IF-01							
		GT09-C30R20202-15P	3m		PLC CPU: PROGIC-8 (port 2)							● *4
		GT09-C30R20203-9P	3m		PLC CPU: CP-9300MS							
		GT09-C30R20204-14P	3m		PLC CPU: MP-940							
		GT09-C30R20205-25P	3m		MEMOBUS module: CP-217IF (when connected to CN2) Yokogawa Electric personal computer module: LC01-0N/LC02-0N CPU port/D-sub 9-pin conversion cable: KM10-0C/KM10-0S Personal computer link module: F3LC01-1N/F3LC11-1N/F3LC11-1F/F3LC12-1F PLC CPU: NFCEP100/NFJT100	●	●	●	●	●	● *3	—
	Cable for Yokogawa Electric PLC	GT09-C30R20301-9P	3m		Converter: ML2-□							
	Cable for Yokogawa Electric temperature controller	GT09-C30R20302-9P	3m		PLC CPU: SL500 series							● *4
	Cable for Allen-Bradley (Rockwell Automation, Inc.) PLC	GT09-C30R20305-9S	3m		HMI adapter							
	Cable for Siemens AG PLC	GT09-C30R20304-9S	3m		PLC CPU: CV500/CV1000/CV2000/CVM1 Serial communication unit: CJ1W-SCU41 Serial communication board: CQM1-SCB41/CS1W-SCB41 Communication board: C200HW-COM03/COM06							
		GT09-C30R20801-9S	3m		Base mount type host link unit: C200H-LK202-V1/C500-LK201-V1							● *4
RS-422 cable	Cable for OMRON PLC	GT09-C30R40101-9P	3m		Communication board: CP1W-CIF11/CP1W-CIF12/CJ1W-CIF11							
		GT09-C100R40101-9P	10m		Multi-communication unit: KV-L20/KV-L20R/KV-L20V (port 2)							
		GT09-C200R40101-9P	20m		PLC CPU: JW-22CU/70CUH/100CUH/100CU							
		GT09-C300R40101-9P	30m		PLC CPU: JW-32CUH/33CUH/Z-512J							
		GT09-C30R40102-9P	3m		Link unit: JW-21CM/JW-10CM/ZW-10CM							
		GT09-C100R40102-9P	10m		PLC CPU: PC3J/PC3JL Communication module: PC/CMP2-LINK							
		GT09-C200R40102-9P	20m		PLC CPU: T2/T3/T3H/model3000(S3)							
		GT09-C300R40102-9P	30m		PLC CPU: T2E/model2000(S2)							
		GT09-C30R40103-5T	3m		PLC CPU: T2N	● *5	●	●	●	●	● *3	
		GT09-C100R40103-5T	10m		Intelligent serial port module: COMM-H/COMM-2H							
	Cable for KEYENCE PLC	GT09-C100R41101-5T	10m		PLC CPU: LQP510 Communication module: LQE565/LQE165							
		GT09-C200R41101-5T	20m		RS-232C/485 interface capsule: FFK120A-C10 General interface module: NC1L-RS4/FFU120B							
		GT09-C300R41101-5T	30m		MEMOBUS module: JAMSC-120NOM27100/JAMSC-IF612							
		GT09-C30R40601-15P	3m		PLC CPU: MP940							
		GT09-C100R40601-15P	10m		Personal computer link module: F3LC11-2N							
	Cable for Sharp Manufacturing Systems PLC	GT09-C200R40601-15P	20m		Personal computer link module: LC02-0N							
		GT09-C300R40601-15P	30m		Temperature controller: GREEN series							
		GT09-C30R40602-15P	3m		Temperature controller: UT2000 series							
		GT09-C100R40602-15P	10m									
		GT09-C200R40602-15P	20m									
		GT09-C300R40602-15P	30m									
		GT09-C30R40603-6T	3m									
		GT09-C100R40603-6T	10m									
		GT09-C200R40603-6T	20m									
		GT09-C300R40603-6T	30m									
	Cable for JTEKT PLC	GT09-C30R41201-6C	3m									
		GT09-C100R41201-6C	10m									
		GT09-C200R41201-6C	20m									
		GT09-C300R41201-6C	30m									
		GT09-C30R40501-15P	3m									
	Cable for TOSHIBA PLC	GT09-C100R40501-15P	10m									
		GT09-C200R40501-15P	20m									
		GT09-C300R40501-15P	30m									
		GT09-C30R40502-6C	3m									
		GT09-C100R40502-6C	10m									
		GT09-C200R40502-6C	20m									
		GT09-C300R40502-6C	30m									
		GT09-C30R40503-15P	3m									
		GT09-C100R40503-15P	10m									
		GT09-C200R40503-15P	20m									
	Cable for Hitachi Industrial Equipment Systems PLC	GT09-C300R40503-15P	30m									
		GT09-C30R40401-7T	3m									
		GT09-C100R40401-7T	10m									
		GT09-C200R40401-7T	20m									
		GT09-C300R40401-7T	30m									
	Cable for Hitachi PLC	GT09-C30R41301-9S	3m									
		GT09-C100R41301-9S	10m									
		GT09-C200R41301-9S	20m									
		GT09-C300R41301-9S	30m									
		GT09-C30R41001-6T	3m									
	Cable for Fuji Electric FA Components & Systems PLC	GT09-C100R41001-6T	10m									
		GT09-C200R41001-6T	20m									
		GT09-C300R41001-6T	30m									
		GT09-C30R40201-9P	3m									
		GT09-C100R40201-9P	10m									
	Cable for Yaskawa Electric PLC	GT09-C200R40201-9P	20m									
		GT09-C300R40201-9P	30m									
		GT09-C30R40202-14P	3m									
		GT09-C100R40202-14P	10m									
		GT09-C200R40202-14P	20m									
		GT09-C300R40202-14P	30m									
		GT09-C30R40301-6T	3m									
		GT09-C100R40301-6T	10m									
		GT09-C200R40301-6T	20m									
		GT09-C300R40301-6T	30m									
	Cable for Yokogawa Electric	GT09-C30R40302-6T	3m									
		GT09-C100R40302-6T	10m									
		GT09-C200R40302-6T	20m									
		GT09-C300R40302-6T	30m									
		GT09-C30R40303-6T	3m									
		GT09-C100R40303-6T	10m									
		GT09-C200R40303-6T	20m									
		GT09-C300R40303-6T	30m									
		GT09-C30R40304-6T	3m									
		GT09-C100R40304-6T	10m									
	Temperature controller	GT09-C200R40304-6T	20m									
		GT09-C300R40304-6T	30m									
		GT09-C30R40304-6T	3m									
		GT09-C100R40304-6T	10m									
		GT09-C200R40304-6T	20m									

*1 : Items listed above are developed by Mitsubishi Electric System & Service Co., LTD., and sold through your local sales office.
*2 : The applicable connection configuration and cable vary depending on the GOT main unit. For more details, see the GOT1000 Series Handbook and the GOT1000 Series Connection Manual.
*3 : RS-422 cables less than 10m and the RS-232 cable less than 3m can be used when the connector conversion box for the Handy GOT is used.
*4 : Can be used only with the GT105□ and GT104□.
*5 : To connect with RS-422/485 interface of GT16 main unit, an RS-422 conversion cable (GT16-C02R4-9S) is necessary.

Backward compatibility

Project data

■ GT Designer/GT Designer2 → GT Works3 compatibility *

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

■ GOT900 series → GOT1000 series compatibility *

- Using data from the GOT-A900 series
Project data for the GOT-A900 series can be used in the GOT1000 series.
For the details, see Technical Bulletin No.GOT-A-0009 "Precautions when Replacing GOT-A900 Series with GOT1000 Series".
- Using data from the GOT-F900 series
Project data for the GOT-F900 series can be used in the GOT1000 series.
For the details, see "Replacement Guidance (for GOT1000 Series) – From GOT-F900/A950 Handy Series to GOT1000 Series" (JY997D39301).

*Some data and functions cannot be used in the GOT1000 series.

Cables

- For details on using the GOT-A900 series bus connection cables, RS-422 cables and RS-232 cables with the GOT1000 series, see Technical Bulletin No.GOT-A-0009.
- For details regarding use of the GOT-F900 series RS-422 cable with the GOT1000, please contact your local sales office.
- The bus connection cables, RS-422 cables and RS-232 cables for the GOT1000 series cannot be used for the GOT900 series.
(For details regarding use of bus connection cables in systems where both the GOT-A900 and GOT1000 series coexist, see Technical Bulletin No. GOT-A-0009.)

Panel cut dimensions

- GOT900 series → GOT1000 series compatibility
The A985GOT(-V) and GT1685/GT1585, A975/970GOT(-B) and GT167□/GT157□, F940GOT and GT1655/GT155□/GT145□/GT115□/GT105□ have the same panel dimensions, respectively. Therefore, it is not necessary to change the mounting hole size.
- Although the A95□ differs in panel cut dimensions from the GT1655, GT155□, GT115□-Q□BDQ and GT115□-Q□BDA, the GOT900 series model can be replaced with any of the GOT1000 series ones without changing the mounting hole size.

Selection of optional units and devices

Using the optional functions listed in the table below may require optional devices or units as shown. Note that the availability of the function or the required optional units and devices may vary depending on the model of the GOT main unit.
Functions not listed in the table below may also require a memory card or a USB memory device depending on the application. For details, see "Function list" (page 70 to page 73) and "GT Designer3 Version1 Screen Design Manual."
An optional function board or a memory card may be necessary depending on the function version and hardware version of the GOT main unit or available space of the user area.
For details, see "Optional function board, memory card (CF card, SD card), and USB memory selection <GT16/GT15/GT14/GT12/GT11>-" (page 82 to page 83).

— : Function that cannot be used on the model

Function		Required optional units and devices						
		GT16	GT16 Handy	GT15	GT14	GT12	GT11	GT10
Memory extension		CF card	CF card	Optional function board: GT15-QFNB□M or GT15-MESB48M CF card	SD card	—	—	—
Multi-channel function		Not necessary	Not necessary	Optional function board: GT15-QFNB(□M) or GT15-MESB48M	Not necessary	Not necessary	—	—
Multimedia function*1		Multimedia unit: GT16M-MMR CF card for multimedia	—	—	—	—	—	—
Video/RGB function	Video input*1 *2	Video input unit: GT16M-V4 or Video/RGB input unit: GT16M-V4R1	—	Video input unit: GT15V-75V4 or Video/RGB input unit: GT15V-75V4R1	—	—	—	—
	RGB input*1 *2	RGB input unit: GT16M-R2 or Video/RGB input unit: GT16M-V4R1	—	RGB input unit: GT15V-75R1 or Video/RGB input unit: GT15V-75V4R1	—	—	—	—
	RGB output*1 *2	RGB output unit: GT16M-ROUT	—	RGB output unit: GT15V-75ROUT	—	—	—	—
CF card unit/CF card extension unit		CF card unit: GT15-CFCD or CF card extension unit: GT15-CFEX-C08SET	—	CF card unit: GT15-CFCD or CF card extension unit: GT15-CFEX-C08SET	—	—	—	—
Sound output function		Sound output unit: GT15-SOUT	—	Sound output unit: GT15-SOUT	—	—	—	—
Remote personal computer operation function (serial)*1 *2		RGB input unit: GT16M-R2 or Video/RGB input unit: GT16M-V4R1	—	RGB input unit: GT15V-75R1 or Video/RGB input unit: GT15V-75V4R1	—	—	—	—
External input/output function, operation panel function		External input/output unit: GT15-DIO or GT15-DIOR	—	External input/output unit: GT15-DIO or GT15-DIOR	—	—	—	—
File transfer function (FTP client)		USB memory device or CF card	USB memory or CF card	Ethernet communication unit: GT15-J71E-100 CF card	USB memory or SD card	—	—	—
Gateway function		Not necessary	Not necessary	Ethernet communication unit: GT15-J71E71-100	Not necessary	Not necessary	—	—
MES interface function		Optional function board: GT16-MESB	—	Ethernet communication unit: GT15-J71E71-100 Optional function board: GT15-MESB48M	—	—	—	—
Document display function		CF card	CF card	Optional function board: GT15-QFNB(□M) or GT15-MESB48M CF card	—	—	—	—
Operation log function		CF card	CF card	CF card	—	—	—	—
Backup/restoration function		USB memory device or CF card	USB memory or CF card	CF card	USB memory or SD card	CF card	—	—
Maintenance time notification function		Not necessary (equipped with battery as standard feature)	Not necessary (equipped with battery as standard feature)	Battery: GT15-BAT	—	—	—	—
CNC data input/output function*3		USB memory device or CF card	—	CF card	—	—	—	—
Ladder monitor function*4 (when using Q/L/QnA ladder monitor function)		Not necessary	Not necessary	Optional function board: GT15-QFNB(□M) or GT15-MESB48M	—	—	—	—
SFC monitor function*4		CF card	CF card	Optional function board: GT15-QFNB□M or GT15-MESB48M CF card	—	—	—	—
Motion SFC monitor function*4		CF card	CF card	Optional function board: GT15-QFNB□M or GT15-MESB48M CF card	—	—	—	—
Ladder editor function*5		CF card	CF card	Optional function board: GT15-QFNB□M or GT15-MESB48M CF card	—	—	—	—
Report function		Printer unit: GT15-PRN (when PictBridge-compatible printer is used) CF card	—	Printer unit: GT15-PRN (when PictBridge-compatible printer is used) CF card	—	—	—	—
Hard copy function	Saving files on memory card	CF card	CF card	CF card	SD card*7	CF card	—	—
	Printing by printer (serial)	Not necessary	—	Not necessary	Not necessary	—	—	Not necessary
	Printing by printer (PictBridge)	Printer unit: GT15-PRN	—	Printer unit: GT15-PRN	—	—	—	—