



# MITSUBISHI ELECTRIC

## GRAPHIC OPERATION TERMINAL

# GOT1000

*Changes for the Better*



GRAPHIC OPERATION TERMINAL | GOT1000 |

# GT10

Colorful Powerful Simple

A versatile range of graphic terminals that fit to a diverse range of applications, realizing affordability with basic functionality!



Mitsubishi Electric Corporation Himeji Works is a factory certified for ISO14001 (standards for environmental management systems) and ISO9001(standards for quality assurance management systems)



# Empowering Industries

## GT10

A range of sizes, colors and connection methods to suit your needs.

### Reasons why the GT10 series is becoming popular all over the world:

#### GRAPHIC OPERATION TERMINAL GOT1000 Functionality

- Connect directly to multiple servo amplifiers or inverters
- Enhanced alarm functions for alarm display, history and scrolling
- Easy to use device monitor, recipe function and clock function
- Multi-language switching
- Multi-unit connection (up to 16 units)
- Firmware updates available from the screen design software, GT Works3



#### GT10 series

- Combining affordability with functionality
- Offering a range of screen colors
- Pre-installed OS for immediate use

### 3.7-inch **GT1020** Super-Small Display

- |              |   |              |   |
|--------------|---|--------------|---|
| GT1020-LBD   | <span style="background-color: green; color: white; padding: 2px;">Green</span> <span style="background-color: orange; color: white; padding: 2px;">Orange</span> <span style="background-color: red; color: white; padding: 2px;">Red</span> | GT1020-LWD   | <span style="background-color: green; color: white; padding: 2px;">Green</span> <span style="background-color: orange; color: white; padding: 2px;">Orange</span> <span style="background-color: red; color: white; padding: 2px;">Red</span> |
| GT1020-LBD2  | <span style="background-color: green; color: white; padding: 2px;">Green</span> <span style="background-color: orange; color: white; padding: 2px;">Orange</span> <span style="background-color: red; color: white; padding: 2px;">Red</span> | GT1020-LWD2  | <span style="background-color: green; color: white; padding: 2px;">Green</span> <span style="background-color: orange; color: white; padding: 2px;">Orange</span> <span style="background-color: red; color: white; padding: 2px;">Red</span> |
| GT1020-LBL   | <span style="background-color: green; color: white; padding: 2px;">Green</span> <span style="background-color: orange; color: white; padding: 2px;">Orange</span> <span style="background-color: red; color: white; padding: 2px;">Red</span> | GT1020-LWL   | <span style="background-color: green; color: white; padding: 2px;">Green</span> <span style="background-color: orange; color: white; padding: 2px;">Orange</span> <span style="background-color: red; color: white; padding: 2px;">Red</span> |
| GT1020-LBDW  | <span style="background-color: white; color: black; padding: 2px;">White</span> <span style="background-color: pink; color: black; padding: 2px;">Pink</span> <span style="background-color: red; color: black; padding: 2px;">Red</span>     | GT1020-LWDW  | <span style="background-color: white; color: black; padding: 2px;">White</span> <span style="background-color: pink; color: black; padding: 2px;">Pink</span> <span style="background-color: red; color: black; padding: 2px;">Red</span>     |
| GT1020-LBDW2 | <span style="background-color: white; color: black; padding: 2px;">White</span> <span style="background-color: pink; color: black; padding: 2px;">Pink</span> <span style="background-color: red; color: black; padding: 2px;">Red</span>     | GT1020-LWDW2 | <span style="background-color: white; color: black; padding: 2px;">White</span> <span style="background-color: pink; color: black; padding: 2px;">Pink</span> <span style="background-color: red; color: black; padding: 2px;">Red</span>     |
| GT1020-LBLW  | <span style="background-color: white; color: black; padding: 2px;">White</span> <span style="background-color: pink; color: black; padding: 2px;">Pink</span> <span style="background-color: red; color: black; padding: 2px;">Red</span>     | GT1020-LLW   | <span style="background-color: white; color: black; padding: 2px;">White</span> <span style="background-color: pink; color: black; padding: 2px;">Pink</span> <span style="background-color: red; color: black; padding: 2px;">Red</span>     |



### 4.5-inch **GT1030**



- |              |   |
|--------------|---|
| GT1030-LBD   | <span style="background-color: green; color: white; padding: 2px;">Green</span> <span style="background-color: orange; color: white; padding: 2px;">Orange</span> <span style="background-color: red; color: white; padding: 2px;">Red</span> |
| GT1030-LBD2  | <span style="background-color: green; color: white; padding: 2px;">Green</span> <span style="background-color: orange; color: white; padding: 2px;">Orange</span> <span style="background-color: red; color: white; padding: 2px;">Red</span> |
| GT1030-LBL   | <span style="background-color: green; color: white; padding: 2px;">Green</span> <span style="background-color: orange; color: white; padding: 2px;">Orange</span> <span style="background-color: red; color: white; padding: 2px;">Red</span> |
| GT1030-LBDW  | <span style="background-color: white; color: black; padding: 2px;">White</span> <span style="background-color: pink; color: black; padding: 2px;">Pink</span> <span style="background-color: red; color: black; padding: 2px;">Red</span>     |
| GT1030-LBDW2 | <span style="background-color: white; color: black; padding: 2px;">White</span> <span style="background-color: pink; color: black; padding: 2px;">Pink</span> <span style="background-color: red; color: black; padding: 2px;">Red</span>     |
| GT1030-LBLW  | <span style="background-color: white; color: black; padding: 2px;">White</span> <span style="background-color: pink; color: black; padding: 2px;">Pink</span> <span style="background-color: red; color: black; padding: 2px;">Red</span>     |

Size		3.7-inch				4.5-inch	
Frame color		Black frame		White frame		Black frame	
Display colors		<span style="background-color: green; color: white; padding: 2px;">Green</span> <span style="background-color: orange; color: white; padding: 2px;">Orange</span> <span style="background-color: red; color: white; padding: 2px;">Red</span>	<span style="background-color: white; color: black; padding: 2px;">White</span> <span style="background-color: pink; color: black; padding: 2px;">Pink</span> <span style="background-color: red; color: black; padding: 2px;">Red</span>	<span style="background-color: green; color: white; padding: 2px;">Green</span> <span style="background-color: orange; color: white; padding: 2px;">Orange</span> <span style="background-color: red; color: white; padding: 2px;">Red</span>	<span style="background-color: white; color: black; padding: 2px;">White</span> <span style="background-color: pink; color: black; padding: 2px;">Pink</span> <span style="background-color: red; color: black; padding: 2px;">Red</span>	<span style="background-color: green; color: white; padding: 2px;">Green</span> <span style="background-color: orange; color: white; padding: 2px;">Orange</span> <span style="background-color: red; color: white; padding: 2px;">Red</span>	<span style="background-color: white; color: black; padding: 2px;">White</span> <span style="background-color: pink; color: black; padding: 2px;">Pink</span> <span style="background-color: red; color: black; padding: 2px;">Red</span>
Connection method	RS-422 (24 VDC)	GT1020-LBD	GT1020-LBDW	GT1020-LWD	GT1020-LWDW	GT1030-LBD	GT1030-LBDW
	RS-232 (24 VDC)	GT1020-LBD2	GT1020-LBDW2	GT1020-LWD2	GT1020-LWDW2	GT1030-LBD2	GT1030-LBDW2
	RS-422 (5 VDC FXSeries only)	GT1020-LBL	GT1020-LBLW	GT1020-LWL	GT1020-LLW	GT1030-LBL	GT1030-LBLW

GT16,GT15,GT12,GT11-Taking display solutions to the next level!



**GT11** model  
Enhanced with basic functions for stand alone applications



**GT12** model  
Standard functions with built-in Ethernet



**GT15** model  
Wide range of uses packaged or in a network



**GT16** model  
With a variety of integrated functions, such as Ethernet and multimedia

**5.7-inch**

Flexible and Easy to Use

**GT1050/GT1055**



GT1050-QBBD **White/Blue** 16 scales



GT1055-QSBD **256Colors**

**4.7-inch**

Compact with Vivid Display

**GT1040/GT1045**



GT1040-QBBD **White/Blue** 16 scales



GT1045-QSBD **256Colors**

Wide Screen Display



- GT1030-LWD **Green Orange Red**
- GT1030-LWD2 **Green Orange Red**
- GT1030-LWL **Green Orange Red**
- GT1030-LWDW **White Pink Red**
- GT1030-LWDW2 **White Pink Red**
- GT1030-LWLW **White Pink Red**

**NEW** Easy Connection!



**GT10-CR4-8PC**  
Cable with terminal block connector for GT1020 and GT1030 (RS-422, Only for FX PLCs)

**Serial Multi-drop Connection Unit**

**GT01-RS4-M**

Maximum 16 GOT1000 series units  
Maximum 500m connection length



page 8.>>>

SIZE

		4.7-inch		5.7-inch	
White frame		Black frame		Black frame	
<b>Green Orange Red</b>	<b>White Pink Red</b>	<b>White/Blue</b> 16 scales	<b>256Colors</b>	<b>White/Blue</b> 16 scales	<b>256Colors</b>
GT1030-LWD	GT1030-LWDW	GT1040-QBBD	GT1045-QSBD	GT1050-QBBD	GT1055-QSBD
GT1030-LWD2	GT1030-LWDW2				
GT1030-LWL	GT1030-LWLW	-	-	-	-

# GT10

A versatile range of graphic terminals that fit to a diverse range of applications, realizing affordability with basic functionality!

# 5.7 -inch

## GT1050 / GT1055

256 Colors or White/Blue 16 scales

A GOT that incorporates GT10 functionality on a GT11 size display

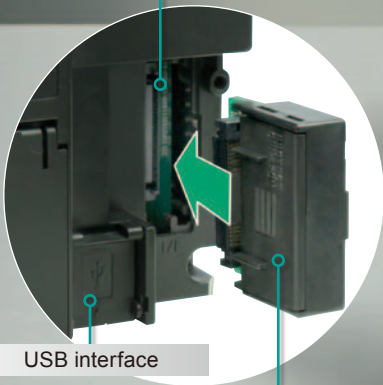
Featuring:

- Bright STN screen with backlight
- 2 model types: 256 colors model and 16 scales monochrome(white & blue) model



GT1050-QBBD  
White / Blue 16 scales

Memory Board interface



USB interface

Data transfer Memory Board  
GT10-50FMB



GT1055-QSBD  
256 colors

	Screen Type	Screen Resolution	Backlight	Touch Switch	User Memory (Project Data)	Timer	Connection Port	Other functions
<b>GT1050</b>	5.7"	320 dots x 240 dots	STN White/Blue 16 scales	16x16 dots Matrix 50 /Screen	3 MB	Built-in	USB RS-422 RS-232	Transparent mode Multi-unit connection OS preinstalled Versatile Layout
<b>GT1055</b>	5.7"	320 dots x 240 dots	STN 256 colors	16x16 dots Matrix 50 /Screen	3 MB	Built-in	USB RS-422 RS-232	Transparent mode Multi-unit connection OS preinstalled Versatile Layout

# GT1040 / GT1045

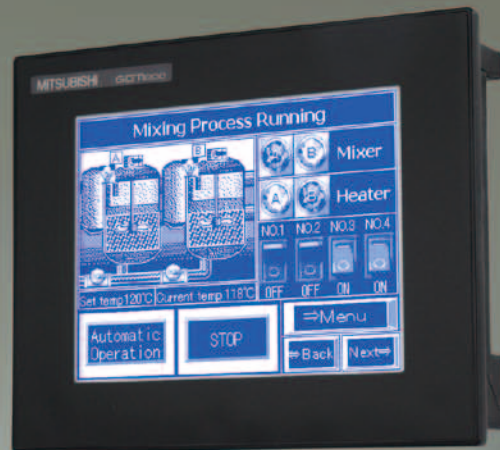
256 Colors or White/Blue 16 scales

Same resolution as the 5.7" GT1050 / GT1055, but in a smaller package

Featuring:

- Bright STN screen with LED backlight
- 2 model types: 256 colors model and 16 scales monochrome (white & blue) model

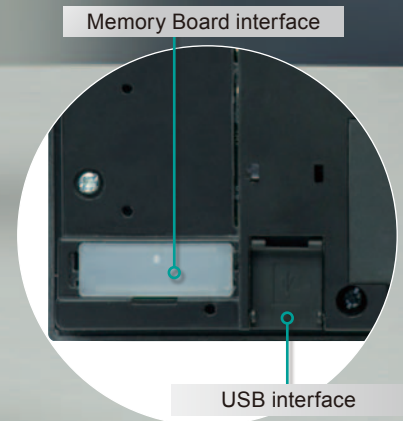
# 4.7 -inch



GT1040-QBBD  
White / Blue 16 scales



GT1045-QSBD  
256 colors



Memory Board interface

USB interface

Data transfer Memory Board  
GT10-50FMB

	Screen Type	Screen Resolution	Backlight	Touch Switch	User Memory (Project Data)	Timer	Connection Port	Other functions
<b>GT1040</b>	4.7"	320 dots x 240 dots	STN White/Blue 16 scales	16x16 dots Matrix 50 /Screen	3 MB	Built-in	USB RS-422 RS-232	Transparent mode Multi-unit connection OS preinstalled Versatile Layout
<b>GT1045</b>	4.7"	320 dots x 240 dots	STN 256 colors	16x16 dots Matrix 50 /Screen	3 MB	Built-in	USB RS-422 RS-232	Transparent mode Multi-unit connection OS preinstalled Versatile Layout

# GT10

A versatile range of graphic terminals that fit to a diverse range of applications, realizing affordability with basic functionality!

# 4.5 -inch

## GT1030

Green/Orange/Red Version or White/Pink/Red Backlight Options

Featuring:

- 3-color LED backlight that offers a bright display even under external illumination
- High resolution wide screen for intuitive screen designs



GT1030-LBD  
GT1030-LBD2  
GT1030-LBL



GT1030-LBDW  
GT1030-LBDW2  
GT1030-LBLW



GT1030-LWD  
GT1030-LWD2  
GT1030-LWL



GT1030-LWDW  
GT1030-LWDW2  
GT1030-LWLW



	Screen Type	Screen Resolution	Backlight LED-colors	Touch Switch	User Memory (Project Data)	Frame Color	Timer
<b>GT1030</b>	4.5"	288 dots x 96 dots	STN 3-colors Orange Green Red	16x16dots Matrix 50/Screen	1.5MB	White Frame Black Frame	Built-in

Main unit model name: **GT1030-LBDW2**

LCD		Frame color		Power supply		Backlight color		Communication type	
L	STN Monochrome	B	Black	D	24 VDC	-	Green/Orange/Red	-	RS-422
		W	White	L	5 VDC	W	White/Pink/Red	2	RS-232

Connection Port	Other functions
RS-422	Transparent mode
RS-232	Multi-unit connection
	OS preinstalled
	Versatile Layout

### ● GT1020 and GT1030 5 VDC Types

The GT1020 and GT1030 both have 5V DC powered models available to connect to FX series PLCs. These GOTs receive both power and communications from one cable connected to the programming port of the FX PLC.



No need for an additional power supply!

### ● 3-Color Backlight Screen for Vivid Data Visualization

- Offering screen colors that show the operating status of the application.
- Enabling specification of color and flashing of the backlight for each screen.
- Backlight control via the connected PLC\*.



\* Color switching and backlight setting to ON, OFF or flashing

# GT1020

Green/Orange/Red Version or White/Pink/Red Backlight Options

Featuring:

- Ultra compact 3.7" Graphic Operator Terminal
- Analog touch screen for flexible screen layout

# 3.7 -inch



GT1020-LBD   
 GT1020-LBD2   
 GT1020-LBL



GT1020-LBDW   
 GT1020-LBDW2   
 GT1020-LBLW



GT1020-LWD   
 GT1020-LWD2   
 GT1020-LWL



GT1020-LWDW   
 GT1020-LWDW2   
 GT1020-LWLW

Screen Type	Screen Resolution	Backlight LED-colors	Touch Switch	User Memory (Project Data)	Frame Color	Timer
<b>GT1020</b> 3.7"	160 dots x 64 dots	STN 3-colors Orange Green Red	2x2dots Analog 50/Screen	512KB	White Frame Black Frame	Refer to PLC

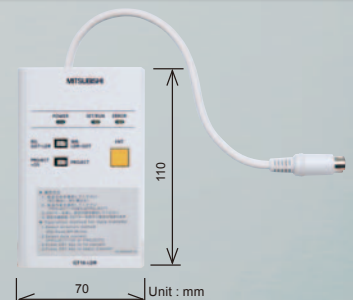
**Main unit model name** **GT1020 - L B D W 2**

LCD	Frame color	Power supply	Backlight color	Communication type
L STN Monochrome	B Black	D 24 VDC	- Green/Orange/Red	- RS-422
	W White	L 5 VDC	W White/Pink/Red	2 RS-232

Connection Port	Other functions
RS-422	Transparent mode
RS-232	Multi-unit connection
	OS preinstalled
	Versatile Layout

### ● GT10-LDR Memory Loader

- Has a compact design (70 × 110 mm), the GOT transfer cable can also be stored inside the body.
- Can write standard monitor OS, communication driver and project data.
- Can read project data and resource data.
- Offers a simple switch type operation, where the write-protect switch prevents erroneous reading.
- Does not require a power supply as power is supplied from the GOT or personal computer.



\*1: The basic OS and communication driver can be written only, and resource data can only be read.  
 \*2: Resource data can only be read.

# GT10

The GT10 series can handle communication with various different devices. Now the GT10 series can connect to even more devices over even greater distances.

## Multi-device connection and multi-



- Parameter set
- Alarm check
- JOG operation
- Monitoring

Mitsubishi AC Servo Amplifiers  
**up to 32 units**  
**at up to 500m**  
 total connection length

Monitoring  
 Parameter Set



Servo motor



- [ Connectable Units ] MR-J2M-P8,□DU MR-J2S-□A,CP,CL MR-J3-□A,T
- [ Software Versions ] GT Designer2 Ver. 2.93X or later, GT Works3

### MODBUS/RTU communication now available

Modbus RTU master functionality is now included in GT10 series HMIs\*1. With this, up to 31 compatible Modbus devices such as inverters or temperature controllers can be connected to one GOT.

Maximum **1,200m**<sup>\*2</sup>  
 Maximum **115.2kbps**



Note: GT Works3 or GT Designer2 Ver. 2.96A or later is required for this functionality.  
 \*1. Refer to the compatibility table for supported products in tech news article -0039  
 \*2. Depending on the connected device and communication speed

- RS-485 Support Hardware Version** GT105□: C or later, GT104□: from first version, GT1030: B or later, GT1020: E or later
- Software Version** GT Designer2 Ver. 2.93X or later, GT Works3

### Multi-drop connection offers flexible system configuration

Want to increase the number of connected HMIs?  
 Lengthen the connection distance?

Serial Multi-drop Connection Unit

## GT01-RS4-M



### Main Panel

Mitsubishi PLCs  
 FX, A, QnA, Q series



RS-422/RS-232

RS-485

**Notice**

To correspond with Multi-drop connectivity the GOT hardware has been updated.

- RS-485 Support Hardware Version** GT105□: C or later, GT104□: from first version, GT1030: B or later, GT1020: E or later
- Software Version** GT Designer2 Ver. 2.93X or later, GT Works3

Please refer to Technical news Himeji works -0039C for more details.



# terminal GOT display options

*GOTs allow easy set up of inverter and servo parameters, as well as convenient monitoring and control functions.*

Mitsubishi Inverters  
**up to 31\* connectable**  
**at up to 500m\***  
total connection length  
*\*using RS-485*



- [ Connectable Units ] S500, A500, E500, F500, V500, A700, F700, E700, D700
- [ Software Versions ] GT Designer2 Ver. 2.91V or later, GT Works3

**Do both with this unit !**

Maximum  
**16 GOT1000 series units**  
Maximum  
**500m connection length**





GOT1000 Screen Design Software

# GT Works3

**7 points**  
to easily create  
new screens and  
transfer them  
to the GT10

**Point 1 Work tree**

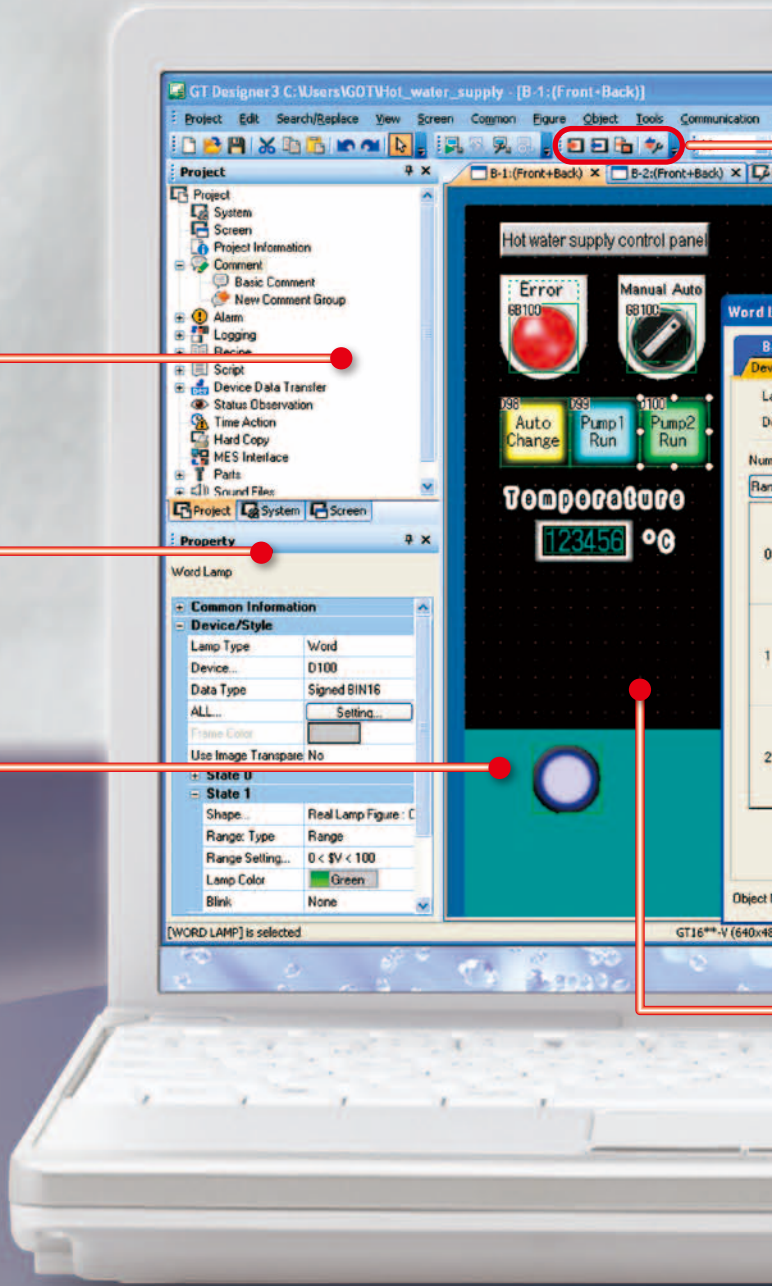
View the whole project, create a new screen, and add and delete screens – with ease.

**Point 2 Property sheet**

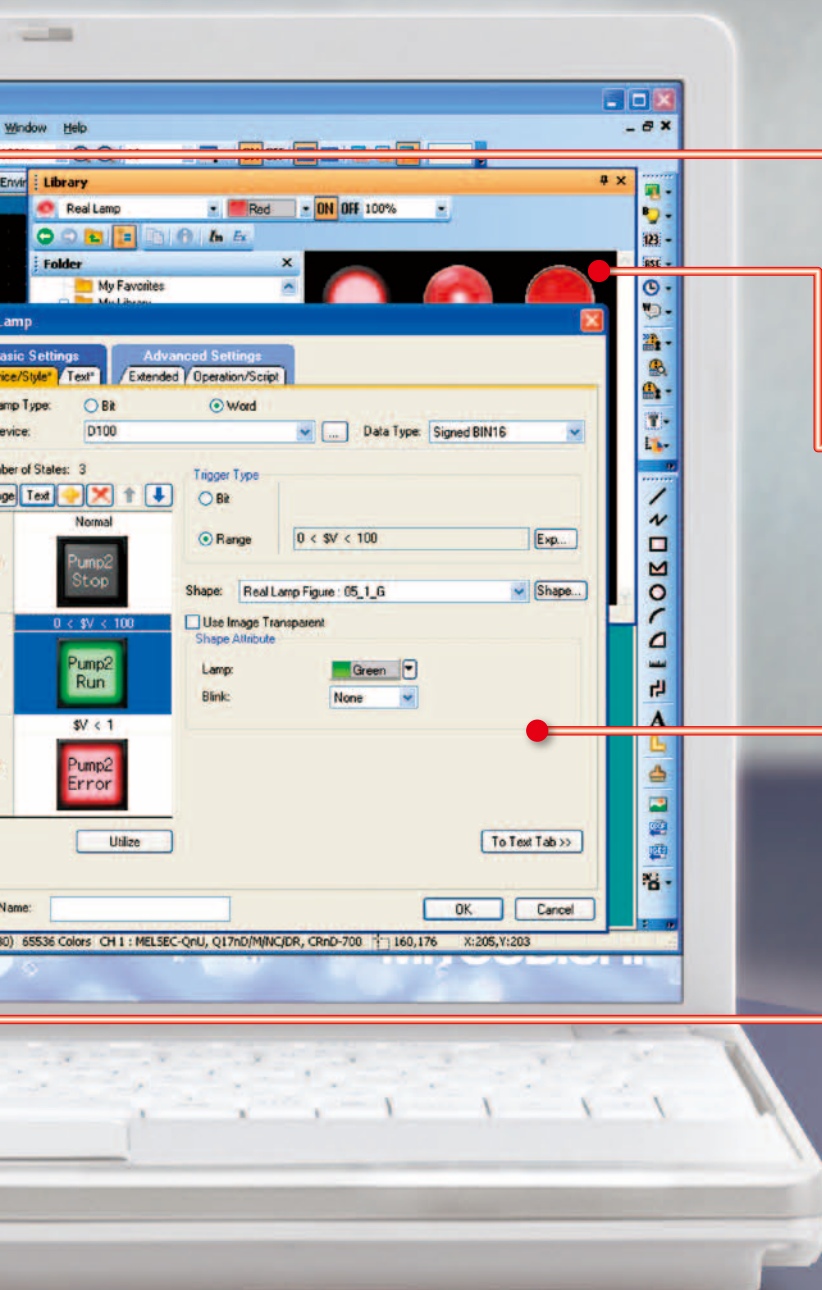
A selected object or graphic's settings are displayed in a tree view. Set colors, devices, etc., on the property sheet without opening a dialog box. When selecting the same objects or graphics, change color, character size, etc., all at the same time.

**Point 3 Temporary area**

Reduce workspace clutter by moving objects off the display area.



Visualization now offers much more than just what you see is what you get - This 3rd generation screen design software incorporates more user-friendly and customizable features to match users of all skill levels and provide the fastest, most intuitive method to create screen display programs we have ever created.



**Point 4** Communication with the GOT

Communication settings and drivers are automatically selected and downloaded to the GOT with the project data.

**Point 5** Library

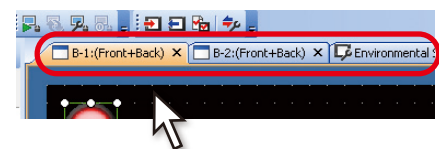
Parts are easy to select. High resolution graphics and parts are easy to create and incorporate into projects.

**Point 6** Dialog box

User friendly dialog boxes and object settings allow fast and intuitive design even for novice users.

**Point 7** Editor "screen design area"

Navigate through multiple screens easily with a simple click of a tab. Designers can take advantage of numerous convenient and efficient development functions such as this.



**WHY GT10?**  
**1**

### Choose your font!

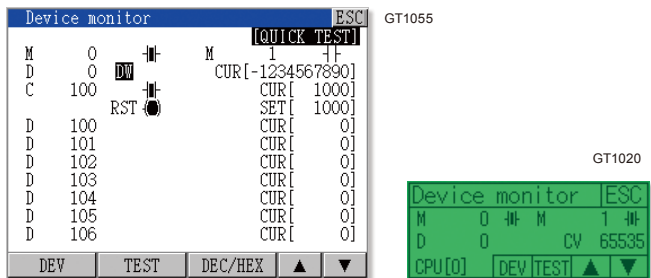
A variety of fonts are available including the standard type set and the windows type set. When windows fonts are selected, italic, underlined and underlined italic are also available.



**WHY GT10?**  
**2**

### Device monitor function

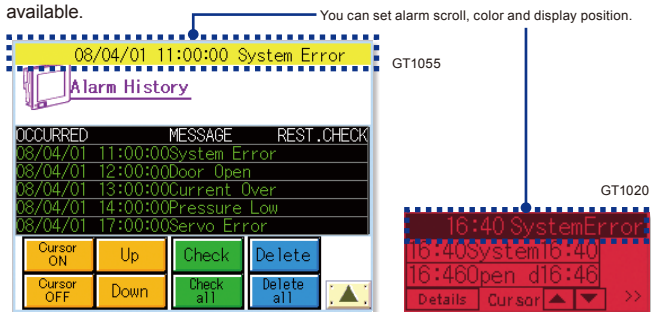
You can monitor the ON/OFF status of bit devices and values of word devices in FX/Q/QnA/A Series PLCs, as well as change the timer and counter values.



**WHY GT10?**  
**3**

### Alarm function

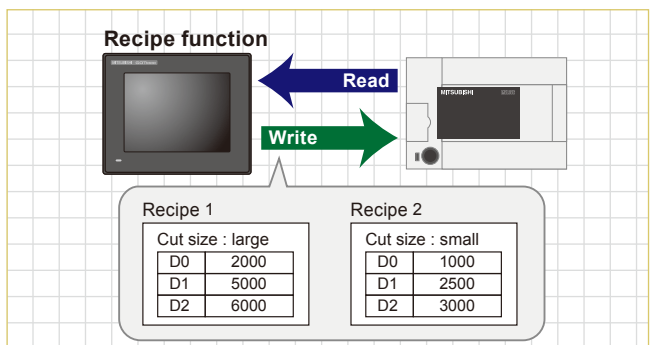
The GOT offers alarm display, alarm history and alarm scroll functions to enable display setting for each window. Language switching for alarms is also available.



**WHY GT10?**  
**4**

### Simple data setting using the recipe function

The GOT has a built-in memory for up to 4,000 points (corresponding to 16-bit word devices). Using this memory the GOT can transfer a range of values to and from the PLC.



**WHY GT10?**  
**5**

### Simple set-up of language switching windows

Language switching windows can be easily created allowing one language to be switched to another, for example English to Japanese. Up to 10 languages can be switched per comment group. Window switching can take place not only for languages but also for different applications.



**WHY GT10?**  
**6**

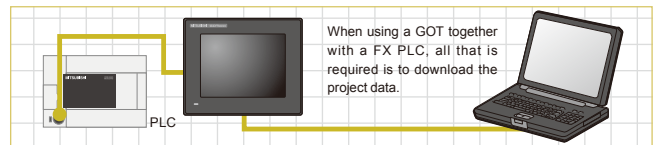
### Preinstalled OS to enable immediate use

#### Pre-installed OS

The OS of the GOT is installed before shipment from the factory.

#### Communication driver

The communication driver mounted before shipment is provided for an FX Series PLC. To connect a Q/QnA/A Series PLC, microcomputer board or other supported PLC device you have to install the required communication driver available from GT Works3.

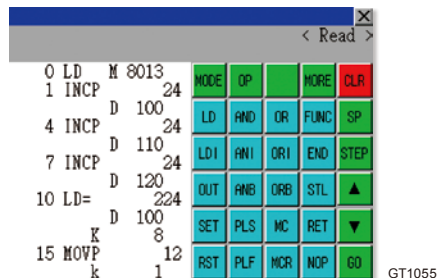


**WHY GT10?**  
**7**

### Sequence program editor

Applicable models : **GT1050** **GT1055** **GT1040** **GT1045**

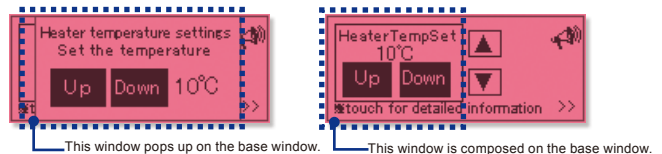
You can edit sequence programs in list format of the FX PLC in the GOT. This function is convenient for simple program changes on site.



**WHY GT10?**  
**8**

### Enhanced window functions

- 512 windows are available.
- The window overlay function is available.
- The window superimpose function is provided.



**WHY GT10?**  
**9**

### Screen save function

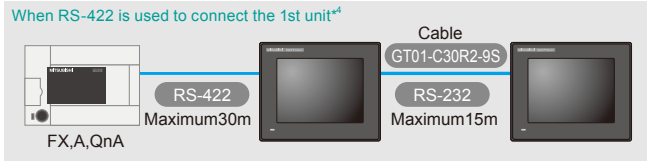
The backlight ON/OFF setting achieves energy-saving whilst enabling the GOT to function. The GOT screen can be controlled from the PLC, allowing backlight and alarm windows to be controlled in the event of an error.



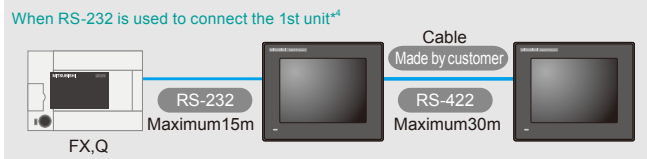
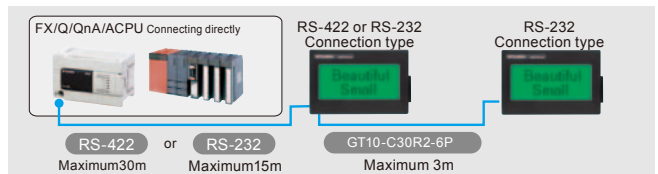
**WHY GT10? 10 Multi-terminal connection\*3**

Up to two GT10 units can be connected to one PLC unit even if the screen sizes differ. Thus enabling greater flexibility with terminal positioning.

**GT1050 / GT1055** **GT1040 / GT1045**



**GT1030** **GT1020**



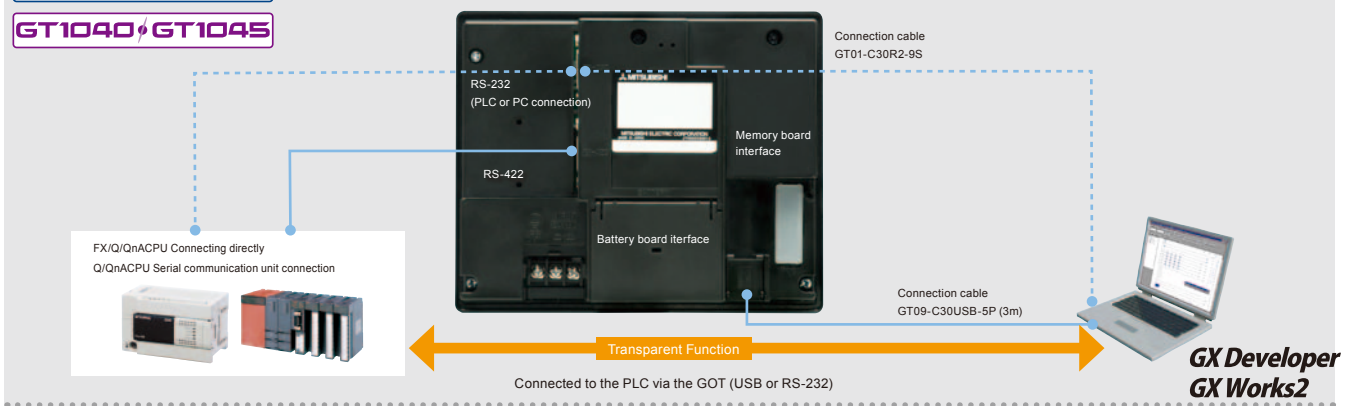
\*3: The transparent function is not available when multiple units are connected. The USB interface is not available for connection of two units.

\*4: Refer to the connection manual for applicable models, required interface and compatibility with serial communication units (computer link units). The maximum length varies depending on the connected equipment. Refer to the connection manual for details.

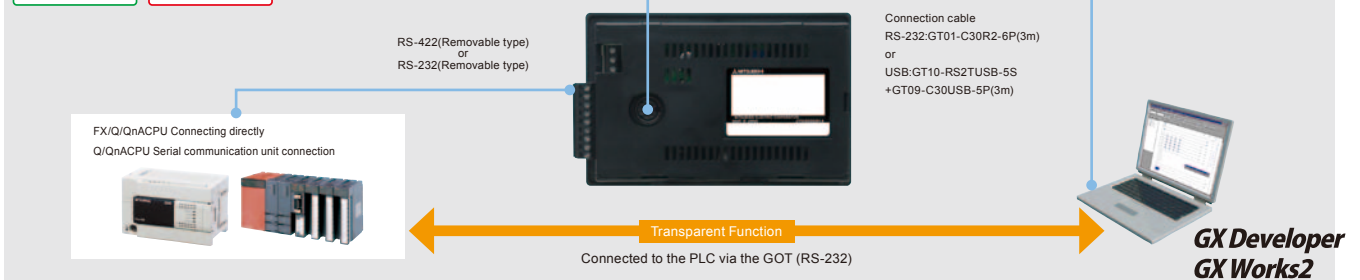
**WHY GT10? 11 Transparent function connecting the PLC via the GOT**

Through the personal computer communication connector at the rear of the GOT, users can debug, start and adjust sequence programs.

**GT1050 / GT1055** Communication port: 3 channels



**GT1030** **GT1020** Communication port: 2 channels



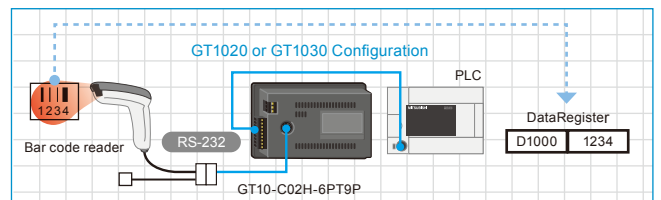
**WHY GT10? 12 Versatile mounting**

Both horizontal and vertical mounting is available for the GT10 Series causing minimum impact to the application design.



**WHY GT10? 13 Connection to the bar code reader**

The RS-232 connection port for personal computer can also be used to connect to a bar code reader. Data is automatically sent to specified address in the PLC.



# Function list

Functions		GT10	GT11	GT15/GT16	
<b>Main unit functions</b>					
OS Pre-install	Boot OS installation	●	—	—	
	OS installation	●	—	—	
	Communication driver	(onlyFX)*1	—	—	
Font Pre-install	Japanese	●	—	—	
	Chinese (Simplified)	—	—	—	
	English	●	—	—	
	Korean	—	—	—	
Boot OS installation		—	●	●	
OS installation		●	●	●	
Start from CF card		—	—	●	
Project data download/upload	Usable also on memory board	●*10	—	—	
	Usable also on CF card	—	●	●	
Resource data upload	Usable also on CF card	—	●	●	
Transparent function		●	●	●	
Multi-channel function(Max 4ch)		—	—	●	
Gateway function		—	—	●*2	
MES interface function(Option function board is required)		—	—	●*2	
Multi-unit connection (MAX 2 unit)		●	●	—	
Multi-drop connection (MAX 16 unit)		●	●	●	
Modbus connection		●	●	●	
<b>Screen design</b>					
Specifications	Base screen	●	●	●	
	Superimposed window display	●	●	●	
	Overlap window display	●	●	●	
	Dialog window display	—	—	●	
	Supported image data format	BMP image display	●	●	●
		JPEG image display	—	—	●
		DXF data	●	●	●
		IGES data	—	●	●
	Fonts	Standard fonts(basic)*3	●	●	●
		Standard fonts(optional)*4	—	—	●
		High-quality font	●	●	●
		True Type font	●	●	●
		Windows® font	●	●	●
Stroke basic font (extended)		—	—	●	
	Stroke font (optional)	—	—	●	
Common settings	System language switching	Japanese	●	●	●
		Chinese (Simplified)	●	●	●
		German	—	●	●
		English	●	●	●
		Korean	—	●	●
		Chinese (Traditional)	—	●	●
	Parts (object + figure) layer function	—	●	●	
	Screen switching	●	●	●	
	Station No. switching	—	—	●	
	Multilingual support function	●	●	●	
Password	●	●	●		
System information	●	●	●		
Connected device setting	●	●	●		
Object settings	Boot logo	●	●	●	
	Comment registration	●	●	●	
	Parts registration	●	●	●	
	Data operation function	●	●	●	
	Offset function	●	●	●	
	Security function	Security level authentication	●	●	●
		Operator authentication	—	—	●
	Lamp display	●	●	●	
	Touch switch	●	●	●	
	Numeric display/input	●	●	●	
	Data list display	—	●	●	
	ASCII display/input	●	●	●	
	Kana-Kanji conversion function	—	—	●	
	Clock display	●	●	●	
	Comment display	●	●	●	

Functions		GT10	GT11	GT15/GT16	
Object settings	Extended alarm monitoring/display	—	—	●*2	
	Alarm list display	●	●	●	
	Alarm history display	●	●*2	●*2	
	Floating alarm display	●	●	—	
	Parts display	●	●	●*2	
	Parts movement	—	●	●*2	
	Panel meter display	●	●	●	
	Level display	—	●	●	
	Graph	Trend graph	●	●	●
		Historical trend graph*5	—	—	●
		Line graph,Bar graph	●	●	●
		Statistical graph	●	●	●
		Scatter graph	—	●	●
	Status observation function	●	●	●	
	Extended recipe function	—	—	●*2	
	Recipe function	●	●*2	●*2	
	Time action function	●	●	●	
Report function	File saving in CF card	—	—	●	
Hardcopy function	File saving in CF card	—	—	●	
	Print out	—	—	●*6	
Barcode function	●	●	●		
RFID function	—	●	●		
Others	Vertical display	●	●	—	
	Sound output function*7	—	—	●	
	External input/output function*8	—	—	●	
	Operation panel function*8	—	—	●	
	Screen call function	●	●	●	
	Operation log function	File saving in CF card	—	—	●
	Document display function (Option function board and CF card required)	—	—	●	
	Logging function	—	—	●	
	Script function	Project script	—	●	●
		Screen script	—	●	●
Object script		—	—	●	
Device data transfer function	—	—	●		
<b>Maintenance functions</b>					
Device monitor function	●	—	—		
System monitor function	—	●	●		
List editor for A	—	●*9	●		
List editor for FX	●*10	●*11	●		
Ladder monitor function	—	—	●		
Intelligent unit monitor function	—	—	●*12		
Q motion monitor function	—	—	●		
Servo amplifier monitor function	—	—	●		
Network monitor function	—	—	●		
Backup/restoration function	—	—	●		
Maintenance time notification function*13	—	—	●		

\*1:You have to install the required communication driver available from GT Works3

\*2:CF cards are necessary conditions maybe

\*3:Supported GT10:European(Japanese),GT11,GT15:European(Japanese,Chinese)

\*4:Chinese (Simplified),Chinese (Traditional),Japanese

\*5:Combination of logging function

\*6:Printer unit is required

\*7:Sound output unit is required

\*8:External I/O unit is required

\*9:The GT115□-Q□BDQ is not applicable

\*10:Supported only by GT105□ / GT104□

\*11:Only serial communication type

\*12:Not supported by the GT155□-Q

\*13:Battery is required

For further details on using these features please refer to the manual.

# System Configuration

GT1050, GT1055, GT1040, GT1045

## RS-422 (24 VDC Power supply)

RS-232

RS-422

24 VDC Power supply

GT1050-QBBD  
GT1055-QSBD  
GT1040-QBBD  
GT1045-QSBD

Connection Cables	Connectable PLCs
GT01-C10R4-8P (1m) GT01-C30R4-8P (3m) GT01-C100R4-8P (10m) GT01-C200R4-8P (20m) GT01-C300R4-8P (30m)	•Built-in port in FX1S, FX1N, FX2N, FX2NC or FX3 Series PLC or RS-422 type function extension board
Prepared by customer *1	•Q (Q mode)/QnA CPU serial communication unit 1,200 m maximum
GT01-C30R4-25P (3m) GT01-C100R4-25P (10m) GT01-C200R4-25P (20m) GT01-C300R4-25P (30m)	•Built-in port in QnA/A Series PLC •Built-in port in Q CPU Conversion cables (recommended products manufactured by Mitsubishi Electric Engineering Company Limited) : FA-CNV2402CBL(0.2m)/ FA-NV2405CBL(0.5m)
Prepared by customer *1	•Inverter*1 S500, A500, F500, V500, A700, F700, E700
Prepared by customer *1	•Microcomputer*1
Prepared by customer *1	•OMRON*1 CQM1H, CJ1, CP1, C200HS, C200H, C200Hα, CS1, C1000H, C2000H, CV500, CV1000, CV2000, CVM1

GT1030, GT1020

## RS-422 (24 VDC Power supply)

24 VDC Power supply

RS-422

GT1030-LBD GT1030-LWD  
GT1030-LBDW GT1030-LWDW  
GT1020-LBD GT1020-LWD  
GT1020-LBDW GT1020-LWDW

Connection Cables	Connectable PLCs
GT10-C10R4-8P(C) (1m) GT10-C30R4-8P(C) (3m) GT10-C100R4-8P(C) (10m) GT10-C200R4-8P(C) (20m) GT10-C300R4-8P(C) (30m)	•Built-in port in FX1S, FX1N, FX2N, FX2NC or FX3 Series PLC or RS-422 type function extension board
Prepared by customer *1	•Q (Q mode)/QnA CPU serial communication unit 1,200 m maximum
GT10-C30R4-25P (3m) GT10-C100R4-25P (10m) GT10-C200R4-25P (20m) GT10-C300R4-25P (30m)	•Built-in port in QnA/A Series PLC •Built-in port in Q CPU Conversion cables (recommended products manufactured by Mitsubishi Electric Engineering Company Limited) : FA-CNV2402CBL(0.2m)/ FA-NV2405CBL(0.5m)
Prepared by customer *1	•Inverter*1 S500, A500, F500, V500, A700, F700, E700
Prepared by customer *1	•Microcomputer*1
Prepared by customer *1	•OMRON*1 CQM1H, CJ1, CP1, C200HS, C200H, C200Hα, CS1, C1000H, C2000H, CV500, CV1000, CV2000, CVM1

## RS-232 (24 VDC Power supply)

RS-422

RS-232

24 VDC Power supply

GT1050-QBBD  
GT1055-QSBD  
GT1040-QBBD  
GT1045-QSBD

Connection Cables	Connectable PLCs
GT01-C30R2-6P(3m)	•Built-in port in Q CPU
GT01-C30R2-9S(3m)	•RS-232 type function extension board or special adapter for communication connected to FX1S, FX1N, FX2N, FX2NC or FX3 Series PLC 15 m maximum
GT09-C30R2-9P(3m)	•Q (Q mode)/QnA (S) CPU serial communication unit 15 m maximum
Prepared by customer *1	•Microcomputer*1 •Barcode reader*1
Prepared by customer *1	•OMRON*1 •Matsushita Electric *1 •TOSHIBA MACHINE*1 •Yasukawa Electric*1 •KEYENCE*1 •Allen-Bradley*1 •SIEMENS*1

## RS-232 (24 VDC Power supply)

24 VDC Power supply

RS-232

GT1030-LBD2 GT1030-LWD2  
GT1030-LBDW2 GT1030-LWDW2  
GT1020-LBD2 GT1020-LWD2  
GT1020-LBDW2 GT1020-LWDW2

Connection Cables	Connectable PLCs
GT10-C30R2-6P(3m)	•Built-in port in Q CPU
Prepared by customer *1	•RS-232 type function extension board or special adapter for communication connected to FX1S, FX1N, FX2N, FX2NC or FX3 Series PLC 15 m maximum
Prepared by customer *1	•Q (Q mode)/QnA (S) CPU serial communication unit 15 m maximum
Prepared by customer *1	•Microcomputer*1 •Barcode reader*1
Prepared by customer *1	•OMRON*1 •Matsushita Electric*1 •TOSHIBA MACHINE*1 •Yasukawa Electric*1 •KEYENCE*1 •Allen-Bradley*1 •SIEMENS*1

GT1030, GT1020

## 5 VDC Power supply by PLC

RS-422

5 VDC Power supply by PLC

GT1020-LBL GT1030-LBL  
GT1020-LBLW GT1030-LBLW  
GT1020-LWL GT1030-LWL  
GT1020-LWLW GT1030-LWLW

Connection Cables	Connectable PLCs
GT10-C10R4-8P(C) (1m) GT10-C30R4-8P(C) (3m)	•Built-in port in FX1S, FX1N, FX2N, FX2NC or FX3U Series PLC or RS-422 type function extension board

\*1: Please refer to the connection manual for details.

## GT10 common specifications

### General Specifications

Item	Specification	Item	Specification														
Ambient operating temperature	Display area: 0 to +50°C Excluding display area: 0 to +55°C (horizontal layout) or 0 to +50°C (vertical layout)	Maximum voltage*5	500 VAC, 1 min (between all power terminals and ground)														
Ambient storage temperature	-20 to +60°C (Ambient operating/storage humidity*1: 10 to 90% RH, no dew condensation)	Insulation resistance*5	10 MΩ or more by 500 VDC insulation resistance tester (between all power terminals and ground)														
Vibration resistance	<table border="1"> <thead> <tr> <th></th> <th>Frequency</th> <th>Acceleration</th> <th>Amplitude</th> </tr> </thead> <tbody> <tr> <td>Intermittent vibration</td> <td>5 to 9 Hz</td> <td></td> <td>3.5mm</td> </tr> <tr> <td rowspan="2">Continuous vibration</td> <td>9 to 150Hz</td> <td>9.8m/s<sup>2</sup></td> <td rowspan="2">1.75mm</td> </tr> <tr> <td>5 to 9Hz</td> <td></td> </tr> </tbody> </table>		Frequency	Acceleration	Amplitude	Intermittent vibration	5 to 9 Hz		3.5mm	Continuous vibration	9 to 150Hz	9.8m/s <sup>2</sup>	1.75mm	5 to 9Hz		Ambient atmosphere	Free from soot, corrosive gas, flammable gas, and high levels of conductive dusts
			Frequency	Acceleration	Amplitude												
		Intermittent vibration	5 to 9 Hz		3.5mm												
		Continuous vibration	9 to 150Hz	9.8m/s <sup>2</sup>	1.75mm												
5 to 9Hz																	
Protective structure against environment	Equivalent to IP67f (JEM 1030) (front face) (This structure does not provide protection against all environmental conditions in your site.)	Grounding*5	Class D grounding (insulation resistance: 100Ω or less - When grounding is disabled, perform grounding to the panel.)														
Impact resistance	In conformance to IEC 61131-2 (147 m/s <sup>2</sup> , application period: 1fms, sine half-wave pulse, 3 times in each of X, Y and Z directions)	Others	Operating height above sea level*2: 2,000 m or less, Installation location: Inside control panel, Over-voltage category*3: II or lower, Pollution level*4: II or lower, Cooling Method: Self-cooling														
Noise resistance	Noise voltage: 1,000 Vp-p, noise width: 1μs (Testing via a noise simulator whose noise frequency (range 30 to 100 Hz))																

\*1 Wet bulb temperature: 39°C or less

\*2 Never use the GOT in an environment that is pressurized to an atmospheric pressure above the height of sea level as the GOT may malfunction.

\*3 The over-voltage category indicates the equipment is connected to a power distribution area between the public power distribution network and the machine site.

Category II is applied to equipment supplied by a fixed power source where the resistance voltage is 2,500 V in equipment whose rating is 300V or less.

\*4 This index indicates the level of conductive substances in the environment where the equipment is used.

Level 2 is applied to environments where only non-conductive pollution is generated but temporary conductive states can occur through condensation of the environment.

\*5 This cable cannot be used for GT1020-LBL(W).

## GT1050/GT1055,GT1040/GT1045 specifications

### Performance specifications

Item	GT1050-QBBD	GT1055-QSBD	GT1040-QBBD	GT1045-QSBD		
Display area	Type	STN monochrome (white and blue) liquid crystal	STN color liquid crystal	STN monochrome (white and blue) liquid crystal	STN color liquid crystal	
	Screen size/resolution	5.7-inch/QVGA:320W×240H dots		4.7-inch/QVGA:320W×240H dots		
	Display size (mm)	115(W)×86(H) (5.7-inch) horizontal display mode		96(W)×72(H) (4.7-inch) horizontal display mode		
	Number of displayed characters	For 16-dot font	40 half-width characters x 15 lines or 20 full-width characters x 15 lines when horizontal mounting			
		For 12-dot font	53 half-width characters x 20 lines or 26 full-width characters x 20 lines when horizontal mounting			
	View angle(in horizontal display mode)	Right/Left:45° UP:20°,Down:40°	Right/Left:55° UP:65°,Down:70°	Right/Left:45° UP:20°,Down:40°	Right/Left:50° UP:40°,Down:70°	
	Contrast adjustment	16 step adjustment				
	Display colors	monochrome 16 scales	256 colors	monochrome 16 scales	256 colors	
	Intensity	260[cd/m <sup>2</sup> ]	380[cd/m <sup>2</sup> ]	300[cd/m <sup>2</sup> ]	150[cd/m <sup>2</sup> ]	
	Life	Approx.50,000hours (operating ambient temperature 25°C)				
Backlight (no replacement required)	Type	Cold-cathode fluorescent tube (not replaceable)		White LED (not needed)		
	Function	With backlight OFF detection function. Backlight off time and screen save time can be set.		Backlight off time and screen save time can be set.		
	Life	Approx.75,000 hours (Time for display intensity reaches 50% at operating ambient temperature of 25°C)		—		
Touch panel	Maximum number of touch keys	50 keys/screen (matrix consisting of 15 lines x 20 columns)				
	Minimum unit of touch key size	Min. 16 x 16 [dots] (per key)				
	Number of simultaneous touch points	Max. 2 points				
	Life	1,000,000 times or more				
Buzzer output (buzzer sound issued when a touch key is pressed)	Single tone (Long sound, short sound or no sound can be selected.)					
Memory	User memory	Built-in flash ROM [To store project data (3 MB or less), OS, alarm history and recipe data]				
	Life (number of times of writing)	100,000 times				
Battery	GT11-50BAT lithium type battery					
	Backed up data	Clock data, alarm history and recipe data				
	Life	Replacement cycle: 5 years (at ambient operating temperature of 25°C)				
Built-in interface	RS-422 / RS-485	Type	RS-422 / RS-485, 1ch, Transmission speed: 115200/57600/38400/19200/9600/4800 bps, Connector shape:D-sub 9-pin (female)			
		Application	C or later	From first version		
	RS-232	Type	RS-232, 1ch, Transmission speed: 115200/57600/38400/19200/9600/4800 bps, Connector shape:D-sub 9-pin (male)			
		Application	Communication with connected devices, connection to personal computer (project data upload/download, OS installation, transparent function)			
	USB	Type	USB (full speed: 12 Mbps), device 1ch, Connector shape:Mini-B(receptacle)			
		Application	Connection to personal computer (project data upload/download, OS installation, transparent function)			
Memory board interface	GT10-50FMB (option)slot, Application:Data transfer					
Weight	0.7 [kg] (excl. fittings)		0.45 [kg] (excl. fittings)			
Applicable software package	GT Designer2 Version 2.101F or later, GT Works3 Version 1.10L or later					
Supply voltage	24 VDC(+10% to -15%),ripple voltage of 200mV or less					
Fuze (not replaceable)	1.0A					
Power consumption [ ]with backlight off	9.36W or less (390mA/24 VDC) [4.32W or less (180mA/24 VDC)]	9.84W or less (410mA/24 VDC) [4.32W or less (180mA/24 VDC)]	3.6W or less (150mA/24 VDC) [2.9W or less (120mA/24 VDC)]			
Inrush current	15A or less (2ms, at max. load)					
Permissible instantaneous failure time	Up to 5ms					

About the accessible machinery (sequencer, a bar-code reader), please refer to a GOT1000 series connection manual.





# GT1030/GT1020 specifications

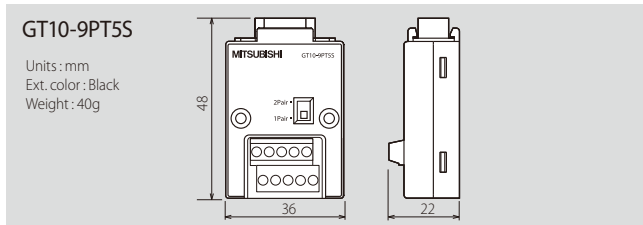
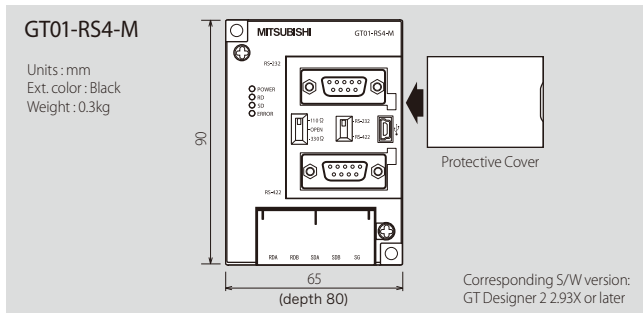
## Performance specifications

Item	GT1030-*****							GT1020-*****								
	LBD	LBD2	LBL	LBDW	LBDW2	LBLW	LBLW	LBD	LBD2	LBL	LBDW	LBDW2	LBLW	LBLW		
	LWD	LWD2	LWL	LWDW	LWDW2	LWLW	LWLW	LWD	LWD2	LWL	LWDW	LWDW2	LWLW	LWLW		
	STN monochrome (black and white) liquid crystal															
Display area	Type	4.5-inch/288 (W) x 96 (H) dots							3.7-inch/160 (W) x 64 (H) dots							
	Screen size/Resolution	109.42 (W) x 35.98 (H) (4.5-inch) in horizontal mounting							86.4 (W) x 34.5 (H) (3.7-inch) in horizontal mounting							
	Display size (mm)	36 half-width characters x 6 lines or 18 full-width characters x 6 lines when horizontal mounting							20 half-width characters x 4 lines or 10 full-width characters x 4 lines when horizontal mounting							
	Number of displayed characters	For 16-dot font	48 half-width characters x 8 lines or 24 full-width characters x 8 lines when horizontal mounting							—						
		For 12-dot font	—							—						
	View angle	30 degrees leftward, 30 degrees rightward, 20 degrees upward and 30 degrees downward when horizontal mounting														
Contrast adjustment	16 steps															
Intensity	200[cd/m <sup>2</sup> ]				300[cd/m <sup>2</sup> ]			200[cd/m <sup>2</sup> ]				300[cd/m <sup>2</sup> ]				
Life	Approx. 50,000 hours (Ambient operating temperature: 25°C), Guarantee: 1 year (time when contrast becomes 1/5 at ambient operating temperature of 25°C)															
Backlight (not requiring replacement)	Color	3-color LED (green, orange and red)				3-color LED (white, pink and red)			3-color LED (green, orange and red)				3-color LED (white, pink and red)			
	Brightness adjustment	8 steps														
	Function	Status (color and ON/fllickering/OFF) can be controlled, and screen saving time can be set. Color and status of backlight can be controlled from PLC.														
Touch panel	Maximum number of touch keys	50/screen (matrix resistive film type, 18 x 6)							50/screen (analog resistive film type)							
	Minimum unit of touch key size	16 x 16 dots (per key)							2 x 2 dots (per key)							
	Simultaneous pressing (2 touch keys)	Permitted							Not permitted <sup>1</sup>							
	Life	1,000,000 times or more (pressing force: 0.98 N or less)														
	Buzzer output (buzzer sound issued when a touch key is pressed)	Single tone (Long sound, short sound or no sound.)														
Memory	User memory	Built-in flash ROM [To store project data (1.5 MB or less) and OS]							Built-in flash ROM [To store project data (512 kB or less), OS, alarm history and recipe data]							
	Life (number of times of writing)	100,000 times														
Battery	Built-in lithium battery GT11-50BAT to store clock data, alarm history and recipe data, replacement cycle: 5 years (at ambient operating temperature of 25°C)															
Built-in interface	For communication with PLC	Serial RS-422/RS-485	Serial RS-232	Serial RS-422	Serial RS-422/RS-485	Serial RS-232	Serial RS-422	Serial RS-422/RS-485	Serial RS-232	Serial RS-422	Serial RS-422/RS-485	Serial RS-232	Serial RS-422			
	RS-485 Support hardware version	1ch, transmission speed: 115,200/57,600/38,400/19,200/9,600/4,800 bps, connector shape: 9-pin type connector terminal board							B or later							
	For communication with personal computer	RS-232 1ch, transmission speed: 115,200/57,600/38,400/19,200/9,600/4,800 bps, connector shape: 6-pin type mini DIN (female)							E or later							
Applicable software package	GT Designer2 Version 2.101F or later, GT Works3 Version 1.10L or later															
Supply voltage (24 V type has built-in fuse, and cannot be replaced.)	24 VDC (+10%, -15%) [Ripple voltage: 200 mV or less]	5 VDC (±5%) Supplied from PLC	24 VDC (+10%, -15%) [Ripple voltage: 200 mV or less]	5 VDC (±5%) Supplied from PLC	24 VDC (+10%, -15%) [Ripple voltage: 200 mV or less]	5 VDC (±5%) Supplied from PLC	24 VDC (+10%, -15%) [Ripple voltage: 200 mV or less]	5 VDC (±5%) Supplied from PLC	24 VDC (+10%, -15%) [Ripple voltage: 200 mV or less]	5 VDC (±5%) Supplied from PLC	24 VDC (+10%, -15%) [Ripple voltage: 200 mV or less]	5 VDC (±5%) Supplied from PLC	24 VDC (+10%, -15%) [Ripple voltage: 200 mV or less]	5 VDC (±5%) Supplied from PLC		
Power consumption [ ]:With backlight off	2.2W or less (90mA / 24 VDC), [1.7W or less (70mA / 24 VDC)]	1.1W or less (220mA / 5 VDC), [0.6W or less (120mA / 5 VDC)]	2.2W or less (90mA/24 VDC), [1.7W or less (70mA / 24 VDC)]	1.1W or less (220mA / 5 VDC), [0.6W or less (120mA / 5 VDC)]	1.1W or less (220mA / 5 VDC), [0.6W or less (120mA / 5 VDC)]	1.9W or less (80mA / 24 VDC), [1.2W or less (50mA / 24 VDC)]	1.1W or less (220mA / 5 VDC), [0.6W or less (120mA / 5 VDC)]	1.9W or less (80mA / 24 VDC), [1.2W or less (50mA / 24 VDC)]	1.1W or less (220mA / 5 VDC), [0.6W or less (120mA / 5 VDC)]	1.9W or less (80mA / 24 VDC), [1.2W or less (50mA / 24 VDC)]	1.1W or less (220mA / 5 VDC), [0.6W or less (120mA / 5 VDC)]	1.9W or less (80mA / 24 VDC), [1.2W or less (50mA / 24 VDC)]	1.1W or less (220mA / 5 VDC), [0.6W or less (120mA / 5 VDC)]	1.9W or less (80mA / 24 VDC), [1.2W or less (50mA / 24 VDC)]		
Inrush current	18A or less (26.4 VDC) 1ms	—	18A or less (26.4 VDC) 1ms	—	13A or less (26.4 VDC) 1ms	—	13A or less (26.4 VDC) 1ms	—	13A or less (26.4 VDC) 1ms	—	13A or less (26.4 VDC) 1ms	—	13A or less (26.4 VDC) 1ms	—		
Permissible instantaneous failure time	Up to 5ms	—	Up to 5ms	—	Up to 5ms	—	Up to 5ms	—	Up to 5ms	—	Up to 5ms	—	Up to 5ms	—		

\*1 If there is a key around the center of the pressed area when two or more keys are pressed, the key in the center may be activated.

## Serial Multi-drop Connection Unit specifications

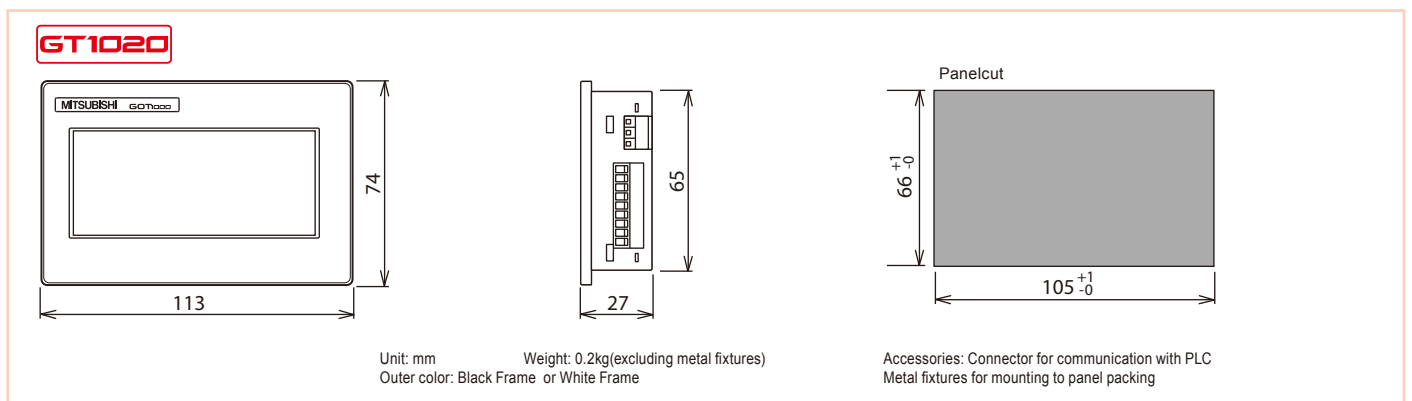
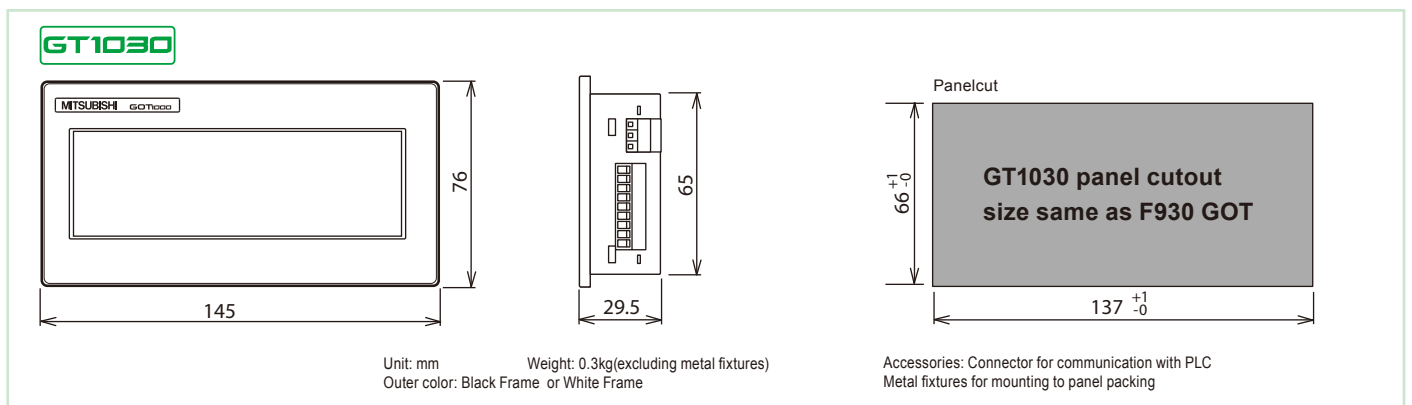
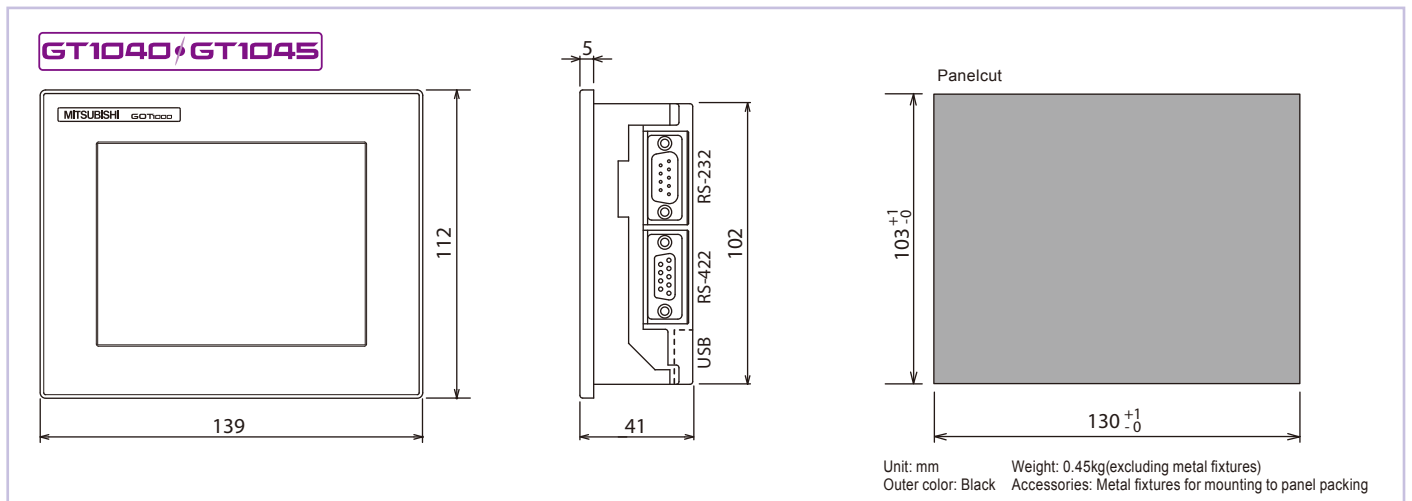
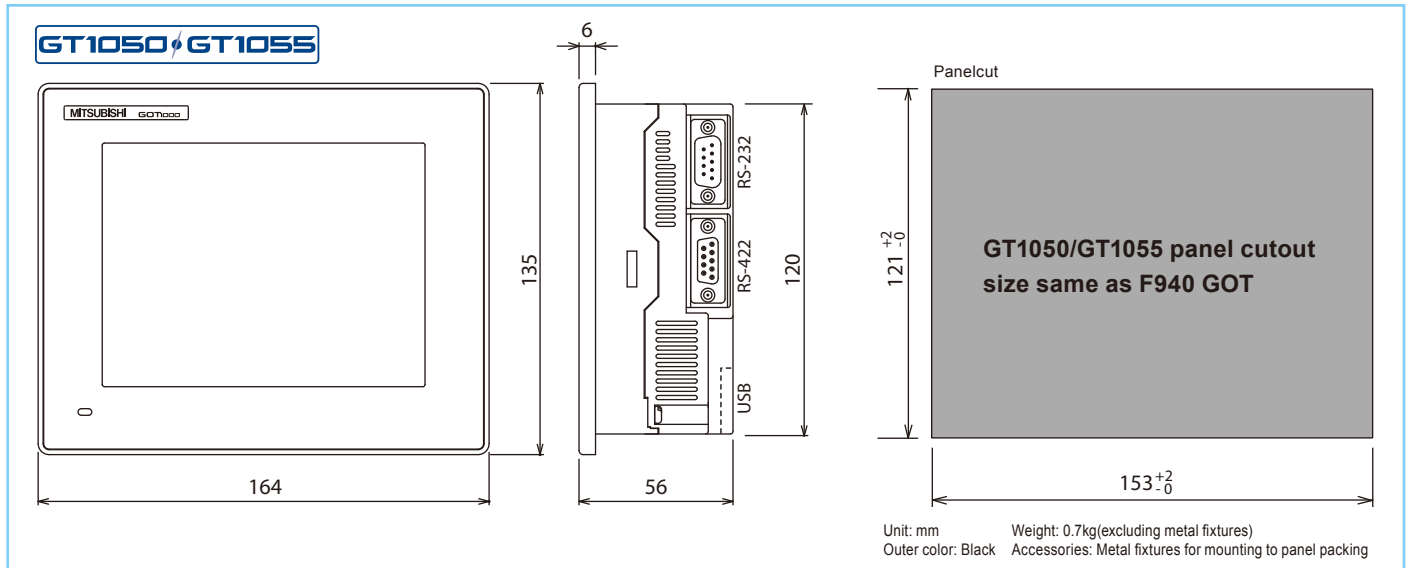
### External Dimensions



### Performance specifications

Item	Specification
PLC Connection interface	Communication type: RS-422, RS-232 standard conformance 1ch (Simultaneous use impossible)
	Transmission speed: 115,200 / 57,600 / 38,400 / 19,200 / 9,600 / 4,800 bps
	Compatible PLCs: MELSEC Series
	Connector shape: RS-422 D-sub 9 pin (female), RS-232 D-sub 9 pin (male)
GOT Connection interface	Communication type: Serial RS-485 standard conformance 1ch, internal terminal resistance
	Transmission channel type: Bidirectional half-duplex (1 pair wiring), Bidirectional full-duplex (2 pair wirings)
	Transmission speed: 115,200 / 57,600 / 38,400 / 19,200 / 9,600 / 4,800 bps
	Communication length: 500m (maximum for entire system)
	Connection number: Maximum 16 units
	Compatible GOTs: GOT1000 series are connectable.
	Connector shape: Terminal Block
PC connection interface	USB 2.0, Mini-B connector
Power supply / Supply voltage	24 VDC (+10%, -15%)
Fuse (not replaceable)	1A
Power consumption	3.36W or less (140mA / 24 VDC)
Inrush current	14A or less (24.6 VDC, 1mA)
General specifications	Follows the GOT1000 series
Mounting method	DIN rail or screw mounting

# Dimensions



# Main unit & Option parts

Division	Model name		Specification				CE		UL/cUL
	Type	Frame color	Display	Power supply	PLC connection/PC	EMC	LVD		
GT1050/GT1055 main unit	GT1055-QSBD	Black	5.7-inch (256 colors)	24 VDC	RS-422/RS-485, RS-232, USB	☐	—	☐	
	GT1050-QBBD		5.7-inch (16 scales)		RS-422/RS-485, RS-232, USB	☐	—	☐	
GT1040/GT1045 main unit	GT1045-QSBD		4.7-inch (256 colors)		RS-422/RS-485, RS-232, USB	☐	—	☐	
	GT1040-QBBD		4.7-inch (16 scales)		RS-422/RS-485, RS-232, USB	☐	—	☐	
Memory board	GT10-50FMB	For GT1050/GT1055,GT1040/GT1045				☐	—	—	
Connection cable	GT01-C10R4-8P	FXCPU (MINI-DIN 8 pin) direct connection RS-422 cable [1m]				—	—	—	
	GT01-C30R4-8P	FXCPU (MINI-DIN 8 pin) direct connection RS-422 cable [3m]				—	—	—	
	GT01-C100R4-8P	FXCPU (MINI-DIN 8 pin) direct connection RS-422 cable [10m]				—	—	—	
	GT01-C200R4-8P	FXCPU (MINI-DIN 8 pin) direct connection RS-422 cable [20m]				—	—	—	
	GT01-C300R4-8P	FXCPU (MINI-DIN 8 pin) direct connection RS-422 cable [30m]				—	—	—	
	GT01-C30R4-25P	QnA/ACPU (D-SUB25 pin) direct connection RS-422 cable [3m]				—	—	—	
	GT01-C100R4-25P	QnA/ACPU (D-SUB25 pin) direct connection RS-422 cable [10m]				—	—	—	
	GT01-C200R4-25P	QnA/ACPU (D-SUB25 pin) direct connection RS-422 cable [20m]				—	—	—	
	GT01-C300R4-25P	QnA/ACPU (D-SUB25 pin) direct connection RS-422 cable [30m]				—	—	—	
	GT01-C30R2-6P	QCPU (MINI-DIN 6 pin) direct connection RS-232 cable [3m]				—	—	—	
Data Transfer cable	GT01-C30R2-9S	FXCPUcommunication boards(D-SUB 9 pin) connection RS-232 cable [3m]				—	—	—	
	GT01-C30R2-9S	PC (D-SUB 9 pin: female)<=>GOT (D-SUB 9 pin: female) connection RS-232 cable [3m]				—	—	—	
	GT09-C30USB-5P	PC (USB-Atype)<=>GOT (USB-MINI-Btype) connection USB cable [3m]				—	—	—	
GT1030 main unit	GT1030-LBD	Black	4.5-inch Monochrome (black/white)	3-colors (green/orange/red)	24 VDC	RS-422/RS-485, RS-232	☐	—	☐
	GT1030-LBD2				5 VDC	RS-232, RS-232	☐	—	☐
	GT1030-LBL				24 VDC	RS-422, RS-232	☐	—	☐
	GT1030-LBDW					RS-422/RS-485, RS-232	☐	—	☐
	GT1030-LBDW2				5 VDC	RS-232, RS-232	☐	—	☐
	GT1030-LBLW	White	4.5-inch Monochrome (black/white)	3-colors (green/orange/red)	24 VDC	RS-422, RS-232	☐	—	☐
	GT1030-LWD				5 VDC	RS-422/RS-485, RS-232	☐	—	☐
	GT1030-LWD2				24 VDC	RS-232, RS-232	☐	—	☐
	GT1030-LWL					RS-422, RS-232	☐	—	☐
	GT1030-LWDW				5 VDC	RS-422/RS-485, RS-232	☐	—	☐
GT1030-LWDW2	24 VDC	RS-232, RS-232	☐	—	☐				
GT1030-LWLW		5 VDC	RS-422, RS-232	☐	—	☐			
GT1020 main unit	GT1020-LBD	Black	3.7-inch Monochrome (black/white)	3-colors (green/orange/red)	24 VDC	RS-422/RS-485, RS-232	☐	—	☐
	GT1020-LBD2				5 VDC	RS-232, RS-232	☐	—	☐
	GT1020-LBL				24 VDC	RS-422, RS-232	☐	—	☐
	GT1020-LBDW					RS-422/RS-485, RS-232	☐	—	☐
	GT1020-LBDW2				5 VDC	RS-232, RS-232	☐	—	☐
	GT1020-LBLW	White	3.7-inch Monochrome (black/white)	3-colors (green/orange/red)	24 VDC	RS-422/RS-485, RS-232	☐	—	☐
	GT1020-LWD				5 VDC	RS-232, RS-232	☐	—	☐
	GT1020-LWD2				24 VDC	RS-422/RS-485, RS-232	☐	—	☐
	GT1020-LWL					RS-422, RS-232	☐	—	☐
	GT1020-LWDW				5 VDC	RS-422/RS-485, RS-232	☐	—	☐
GT1020-LWDW2	24 VDC	RS-232, RS-232	☐	—	☐				
GT1020-LWLW		5 VDC	RS-422, RS-232	☐	—	☐			
Memory loader	GT10-LDR	For GT1030,GT1020 (Power supply not needed)				—	—	—	
Connection cable	GT10-C10R4-8P	FXCPU (MINI-DIN 8 pin) direct connectionRS-422 cable [1m]				—	—	—	
	GT10-C30R4-8P	FXCPU (MINI-DIN 8 pin) direct connection RS-422 cable [3m]				—	—	—	
	GT10-C100R4-8P	FXCPU (MINI-DIN 8 pin) direct connection RS-422 cable [10m]				—	—	—	
	GT10-C200R4-8P	FXCPU (MINI-DIN 8 pin) direct connection RS-422 cable [20m]				—	—	—	
	GT10-C300R4-8P	FXCPU (MINI-DIN 8 pin) direct connection RS-422 cable [30m]				—	—	—	
	GT10-C10R4-8PC	FXCPU (MINI-DIN 8 pin) direct connectionRS-422 cable [1m] with connector				—	—	—	
	GT10-C30R4-8PC	FXCPU (MINI-DIN 8 pin) direct connection RS-422 cable [3m] with connector				—	—	—	
	GT10-C100R4-8PC	FXCPU (MINI-DIN 8 pin) direct connection RS-422 cable [10m] with connector				—	—	—	
	GT10-C200R4-8PC	FXCPU (MINI-DIN 8 pin) direct connection RS-422 cable [20m] with connector				—	—	—	
	GT10-C300R4-8PC	FXCPU (MINI-DIN 8 pin) direct connection RS-422 cable [30m] with connector				—	—	—	
	GT10-C30R4-25P	QnA/ACPU (D-SUB 25 pin) direct connection RS-422 cable [3m]				—	—	—	
	GT10-C100R4-25P	QnA/ACPU (D-SUB 25 pin) direct connection RS-422 cable [10m]				—	—	—	
	GT10-C200R4-25P	QnA/ACPU (D-SUB 25 pin) direct connection RS-422 cable [20m]				—	—	—	
	GT10-C300R4-25P	QnA/ACPU (D-SUB 25 pin) direct connection RS-422 cable [30m]				—	—	—	
	GT10-C30R2-6P	QCPU (MINI-DIN 6 pin) direct connection RS-232 cable [3m]				—	—	—	
Serial Multi-drop connection unit	GT01-RS4-M	For PLC : RS-422 or RS-232, For PC : USB For GOT1000 : RS-485 (Maximum 16units & 500m length)				☐	—	☐	
Connection adapter	GT10-9PT5S	For GT1050□, GT104□. RS-485 Easy wiring adapter				—	—	—	
Data Transfer cable	GT01-C30R2-6P	PC (D-SUB 9 pin: female)<=>GOT (MINI-DIN 6 pin: female) connection RS-232 cable [3m]				—	—	—	
	RS-232/USB adapter	For GT1030,GT1020 (software:GT Designer2,GX Developer)				—	—	—	
USB port extension	GT10-RS2TUSB-5S	Sold separately USB cable:GT09-C30USB-5P [3m] (Mitsubishi Electric System Sarvis CO.LTD)				—	—	—	
USB port extension	GT10-C10USB-5S	For GT1050□,GT104□. Waterproof USB extension port of panel mount type				—	—	—	
Connection cable for Bar code	GT10-CO2H-6PT9P	Barcode reader (D-SUB 9 pin: female) GOT (MINI-DIN 6 pin: female) connection RS-232 cable [0.3m]				—	—	—	

## Options

Division	Model name	Specifications		
Protective sheet	GT10-50PS□□	For GT1050 / GT1055.	5 sheets	☐□ : GB(Antiglare), CB(Clear), GW(Antiglare [frame: white]), CW(Clear [frame: white])
	GT10-40PS□□	For GT1040 / GT1045.		
	GT10-30PS□□	For GT1030.		
	GT10-20PS□□	For GT1020.		
Oil resistant cover*	GT05-50PCO	For GT1050 /GT1055		
	GT10-30PCO	For GT1030.		
	GT10-20PCO	For GT1020.		
Manuals	GT10-U-E	GT10 User's Manual		
Battery	GT11-50BAT	Battery for backup of clock data,(Apare parts for GT1050,GT1055,GT1030)		

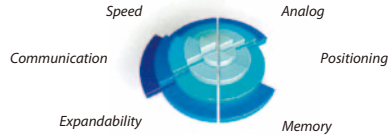
\*.Check if the oil resistant cover can be used in the actual environment before use with the manual.

# A tradition in refining excellence.

The ground breaking FX3 series is the 3rd generation of compact controller produced by Mitsubishi Electric. Coming from a heritage of pioneering compact controllers, the FX3 series continues to build on its cornerstone concepts: ease of use, flexibility, affordability, and customer confidence.

## FX3G

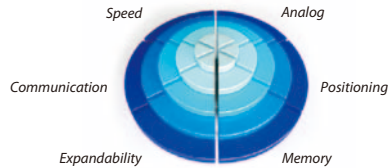
A basic model of the 3rd generation compact PLC



Controllable I/O: 14 - 256 points  
(With CC-Link remote I/O's)  
(Main Unit I/O: 14/24/40/60 points)

## FX3U

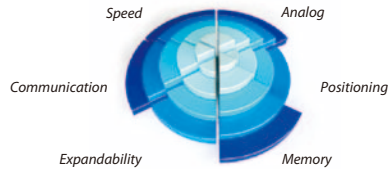
Flagship model of the 3rd generation compact PLC



Controllable I/O: 16 - 384 points  
(With CC-Link remote I/O's)  
(Main Unit I/O: 16/32/48/64/80/128 points)

## FX3UC

Slim fit model of the 3rd generation compact PLC



Controllable I/O: 16 - 384 points  
(with CC-Link remote I/O's)  
(Main Unit I/O: 16/32/64/96 points)

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### Australia Mitsubishi Electric Australia Pty. Ltd.

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### Brazil MELCO-TEC Rep. Com.e Assessoria Tecnica Ltda.

Rua Correia Dias, 184, Edificio Paraiso Trade Center-8 ander Paraiso, Sao Paulo, SP Brasil  
Tel: +55 -11-5511-3146-2200

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Tel: +86 (21) 2322-3030

### Czech Mitsubishi Electric Europe B.V. - o.s. Czech Branch

Radlická 714/113a 158 00 Praha 5 Czech Republic  
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### Germany Mitsubishi Electric Europe B.V. German Branch

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Tel: +49-2102-486-0

### India Messung Systems Pvt. Ltd.

Electronic Sadan NO:III Unit No15, M.I.D.C.  
Bhosari, Pune-411026, India  
Tel: +91-20-27 12-3130

### Indonesia P.T. Autoteknindo SUMBER MAKMUR

Murara Karang Selatan, Block A/ Utara No.1 Kav. No.11 Kawasan Industri Pergudangan, Jakarta - Utara 14440, P.O. Box 5045 Jakarta, 11050 Indonesia  
Tel: +62-21-6630833

### Ireland Mitsubishi Electric Europe B.V. Irish Branch

Westgate Business Park, Ballymount IRL-Dublin 24  
Tel: + 353 1 / 4198800

### Italy Mitsubishi Electric Europe B.V. Italian Branch

Viale Colleoni 7 I-00241 Agrate Brianza(MB),Italy  
Tel: +39-039-6053-1

### Korea Mitsubishi Electric Automation Korea Co., Ltd.

1480-6, Gayang-dong, Gangseo-ku Seoul 157-200, Korea  
Tel: +82-2-3660-9552

### Poland Mitsubishi Electric Europe B.V. Polish Branch

ul. Krakowska 50 32-083 Balice, Poland  
Tel: +48 12 630 47 00

### Russia Mitsubishi Electric Europe B.V. Moscow Representative Office

52 /5, Kosmodamiyskaya. nab., 115054, Moscow, Russia  
Tel: +7-812-633-3497

### Singapore Mitsubishi Electric Asia Pte, Ltd.

307 Alexandra Road #05-01/02 Mitsubishi  
Tel: +65-6470-2460

### South Africa Circuit Breaker Industries Ltd.

Private Bag 2016, ZA-1600 Isando, South Africa  
Tel: +27 -11-92 8-2000

### Spain Mitsubishi Electric Europe B.V. Spanish Branch

Carretera de Rubi 76-80, E-08190 Sant Cugat del Valles, Barcelona, Spain  
Tel.: +34-93-565-3131

### Taiwan Setsuyo Enterprise Co., Ltd.

6F No.105 Wu Kung 3rd RD, Wu-Ku Hsiang, Taipei Hsien, Taiwan  
Tel: +886-2-2299 -2499

### Thailand Mitsubishi Electric Automation (Thailand) Co., Ltd.

Bang-Chan Industrial Estate No.111 Moo 4, Serithai Rd, T.Kannayao, A.Kannayao, Bangkok 10230 Thailand  
Tel: +66-2-517-1326

### U.K. Mitsubishi Electric Europe B.V. UK Branch

Travellers Lane, Hatfield, Hertfordshire., AL10 8XB, U.K.  
Tel: +44-1707-27 6100

### U.S.A. Mitsubishi Electric Automation, Inc.

500 Corporate Woods Parkway, Vernon Hills, IL60061, U.S.A.  
Tel: +1-847-478-2100

 **MITSUBISHI ELECTRIC CORPORATION**

HEAD OFFICE: TOKYO BUILDING, 2-7-3 MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN