

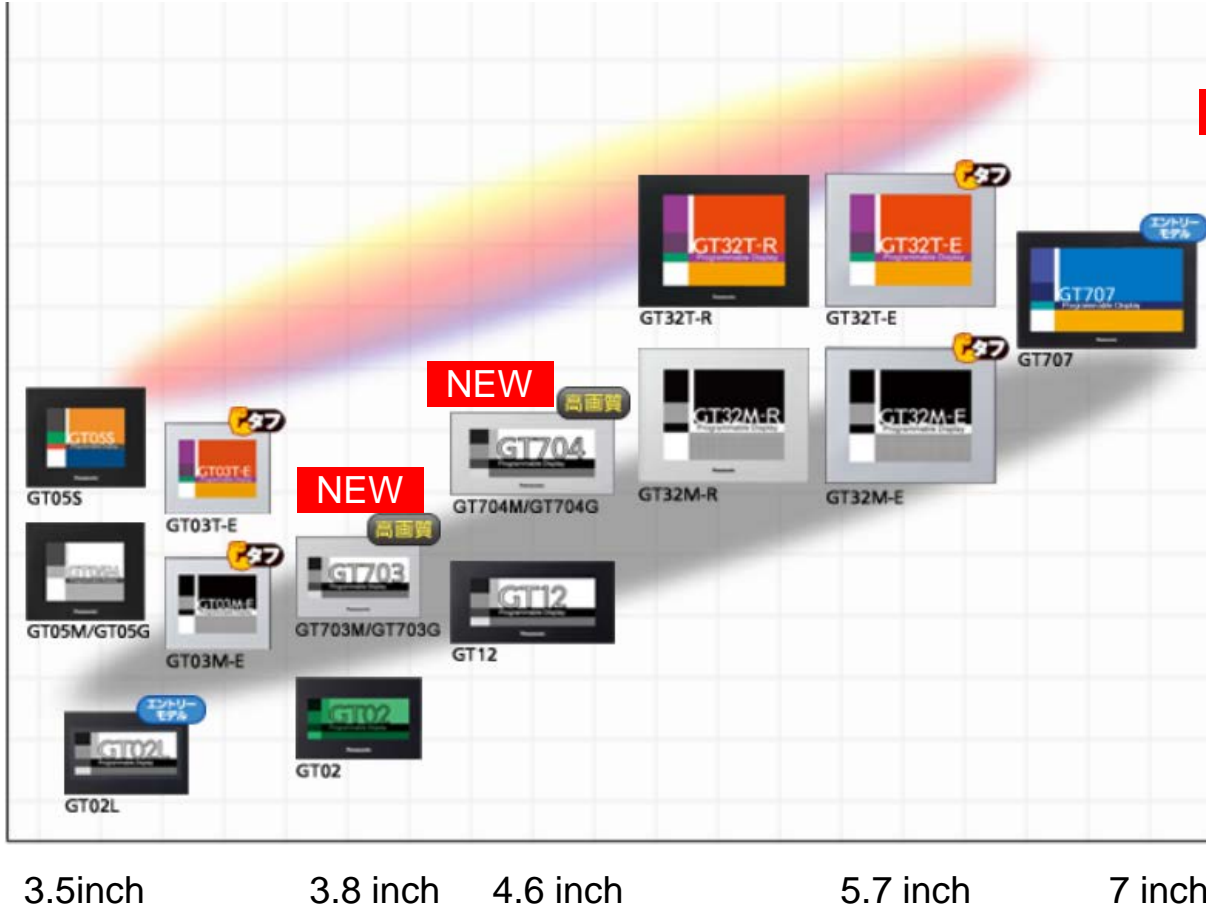
Programmable Display GT703/704

Panasonic Industrial Devices SUNX Co., Ltd.



Programmable Display Lineup

Add 2 types of new products

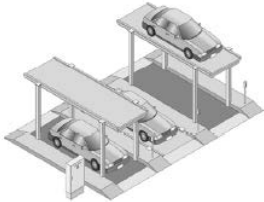


Category	size	color
Tough type	3.5 inch	Color Monochrome
	5.7 inch	Color Monochrome
NEW!! High image quality type	3.8 inch	Monochrome GT703
	4.6 inch	Monochrome GT704
General purpose	3.8 inch	Monochrome
	4.6 inch	Monochrome
	3.5 inch	Color Monochrome
	5.7 inch	Color Monochrome
Entry model	3.7 inch	Monochrome
	7 inch	Color

Concept of Product

High quality display improves screen readability and overall user experience.

- Fare adjustment Machine in parking lot



- Domestic storage battery



- Machine for farm

Controller for temperature and humidity



- Food processing machine



Beer dispensers

- Quick charger
- Carwash machine
- Power conditioner



Sushi robot

Vacuum packing machine

New product overview

New product

Programmable Display **GT703/704**

To increase sales

Concept

Highest image quality/Enhance line up with upper model which is compatible with Ethernet

<Image>

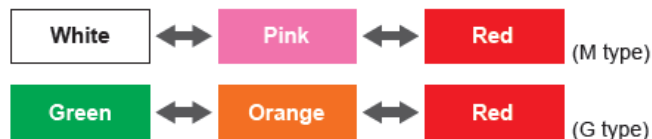
GT704

<4.6 inch size>
640x240 dots

GT703

<3.8 inch size>
480x192 dots

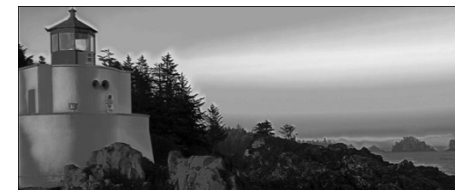
Liquid crystal: TFT monochrome
64-gray scale



Front panel color : Black/Silver
Communication port : RS232C+Ethernet
RS485 +Ethernet
SD/SDHC Memory card

Features

Highest image quality!



- Resolution is four times higher than before.
- Capable of displaying 4 times the visible data on one single screen.
- Clear even with small letters and English
- Easy to read with monochrome

IoT capability

Via Ethernet

- Connect up to 64 PLC units
- Screens & PLC program can be edited
- Easily acquire data from SD memory card port

Target market

Embedded in small machines

Taking Order from

July. 2017

Project size

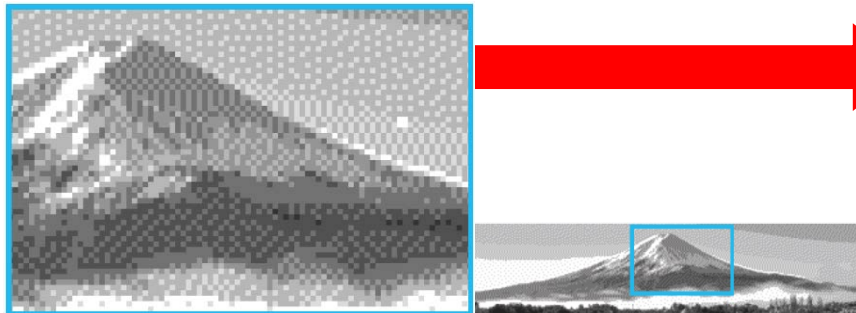
260 million yen/year

#1: Highest image quality!

Resolution is four times higher than before.

High quality display improves screen readability and overall user experience.

Standard Displays



<GT02> 240x 96 dots 2-gray scale
 <GT12> 320x120 dots 8-gray scale

New GT



<GT703> 480x192 dots 64-gray scale
 <GT704> 640x240 dots 64-gray scale

Clear even with small letters!

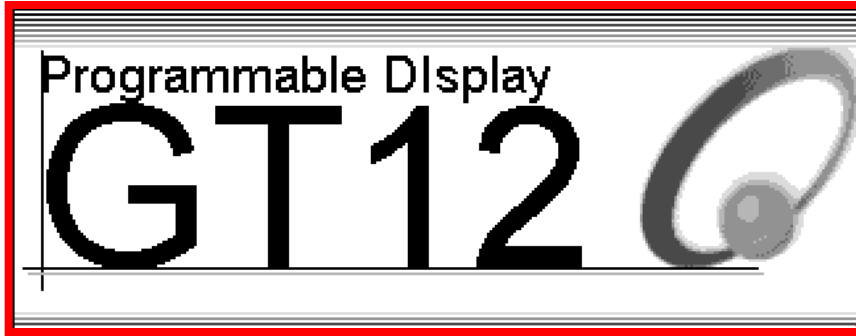


#2: Optimized interface for easier operation!

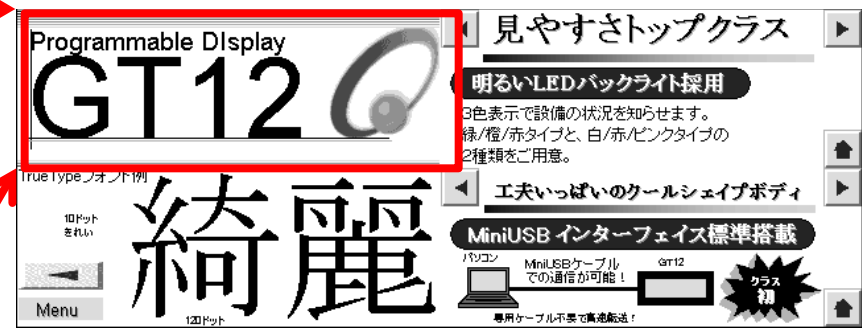
Capable of displaying 4 times the visible data on one single screen.
Data that previously required four screens can now be displayed on one.

4 times visual performance

Before 320x120 dots



New GT 320x120 dots in a quarter screen



Simplify screen hierarchy to improve operation efficiency.

Before Switching between four screens

Screen switching

LOT No	Ave. current	Ave. inspection value
104	750	1602
105	732	1751
106	802	1711
107	533	1502

LOT No	Ave. current	Ave. inspection value
251	1499	1733
252	1011	1529
253	1302	1752
254	1054	1820

New GT Four screens displayed on single screen

No need to switch screens

LOT No	Ave. current	Ave. inspection value
104	750	1602
105	732	1751
106	802	1711
107	533	1502

LOT No	Ave. current	Ave. inspection value
251	1499	1733
252	1011	1529
253	1302	1752
254	1054	1820

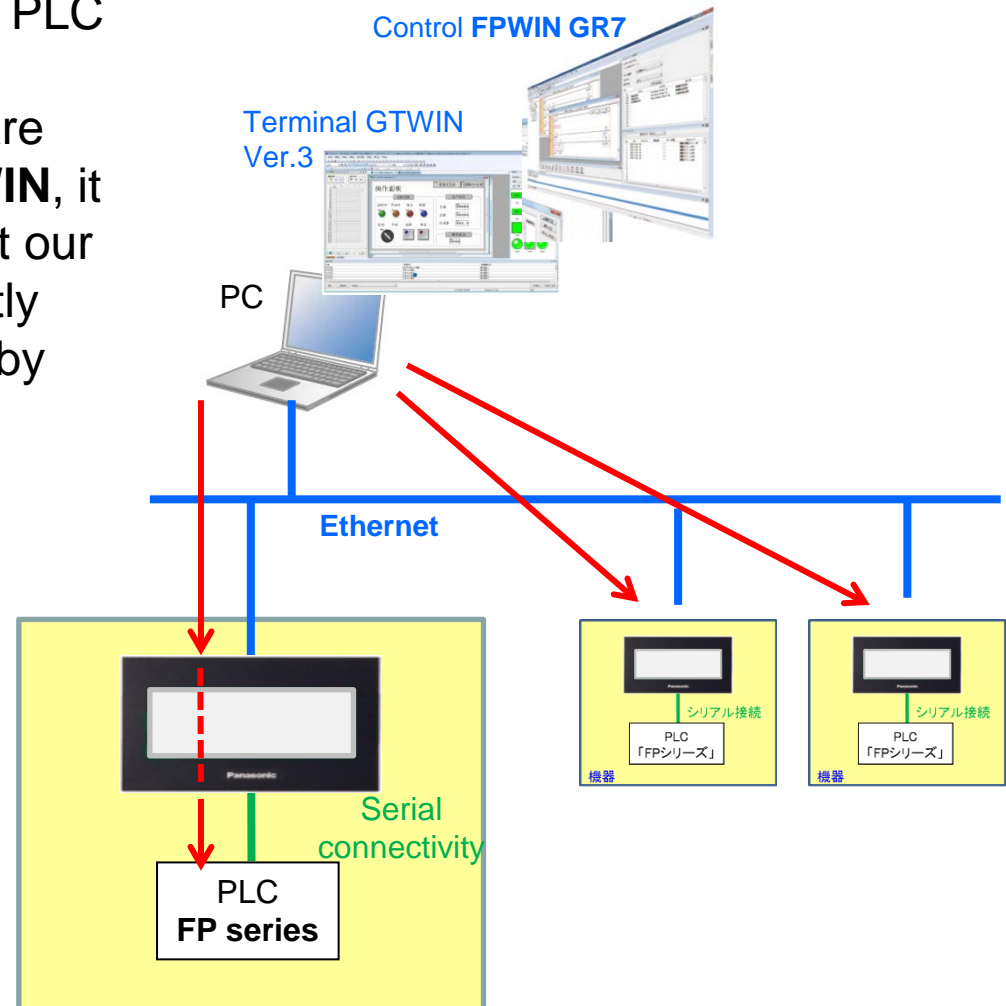
#3-1: IoT capability

Screens & PLC program can be edited via Ethernet. (pass through capability)

Multiple programmable displays and PLC units can be edited via Ethernet. Besides being able to update firmware and transfer screen data using **GTWIN**, it is now possible to use **FPWIN** to edit our “**FP Series**” PLC programming directly through the programmable displays by using the built-in Ethernet port.



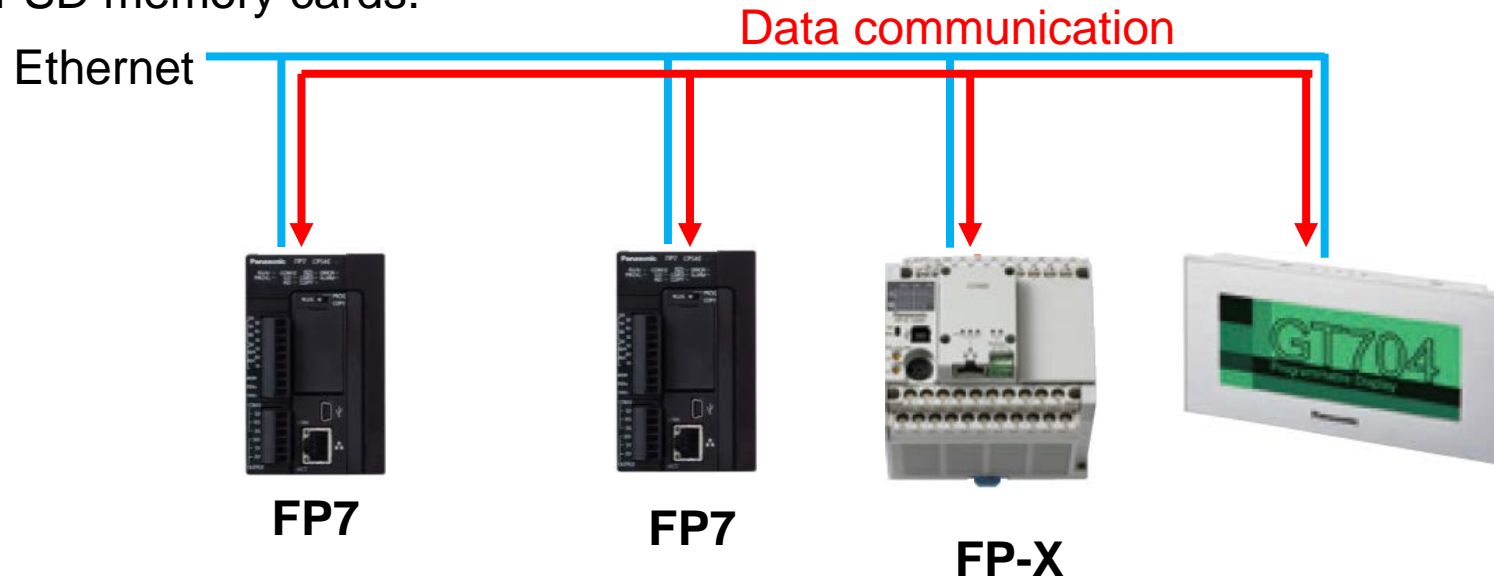
Ethernet (LAN) Port



Expand functions of **GT703/704**

Connect up to 64 PLC units via Ethernet

- Displaying data and simultaneous logging is possible with multiple **FP / FP7** PLC units on a network.
- Data from PLC programs and registers can be saved to **GT** internal memory or SD memory cards.



#3-2: IoT capability

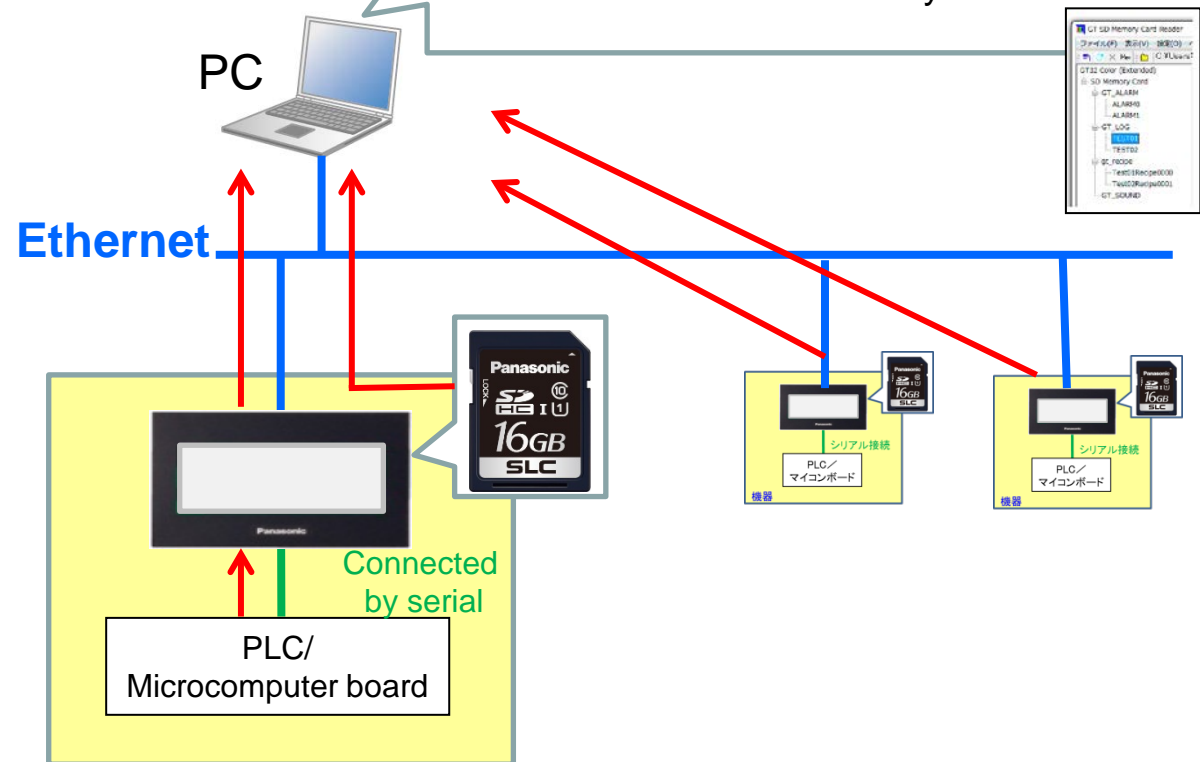
Information from multiple devices can be linked to IoT.

Use a dedicated software tool to acquire information from **GT** main units and from SD memory card.

Information from multiple devices can be transferred to a single host PC via Ethernet.

Dedicated software tools for PC

- “GT Memory Editor” for status monitoring is able to read data stored in memory
- “GT_SD_Reader” for traceability acquires data stored on SD memory card.

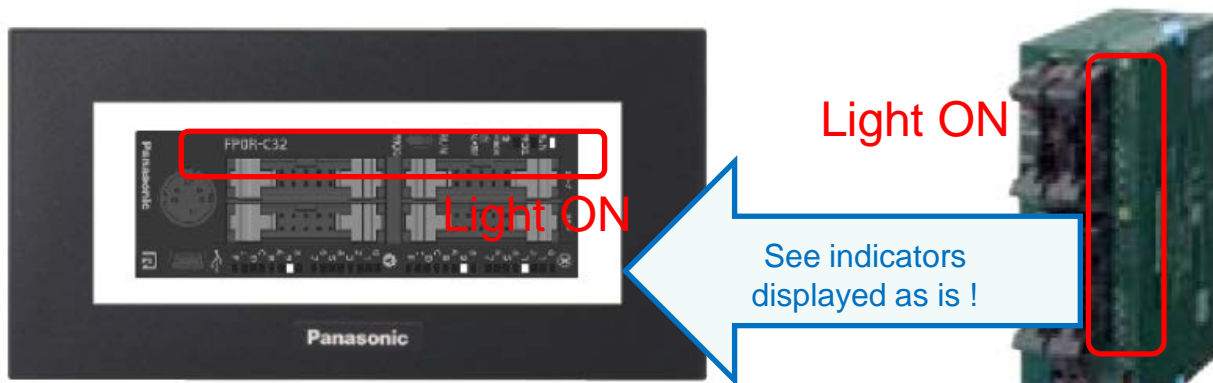


Additional useful functions

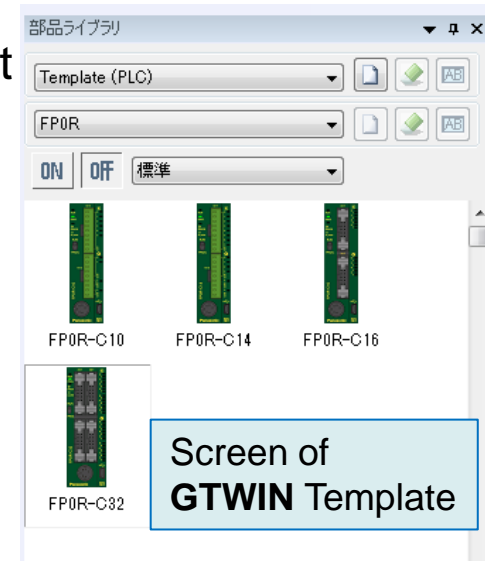
Confirm PLC wiring and operation status simply and efficiently

Whether the PLC is installed inside the equipment where it is not visible or in a remote location you can still monitor PLC input/output status.

With simply drag and drop functionality, from PLC templates found in the parts library registered in **GTWIN**, you can easily verify the wiring and operation status.



- *PLC template: **FP0R** available
- *Store your own custom templates in the library.



Display easily confirms PLC operation status

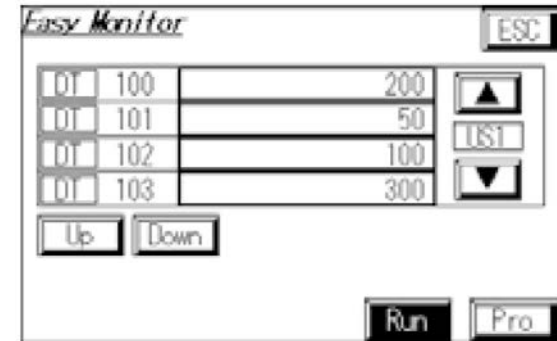
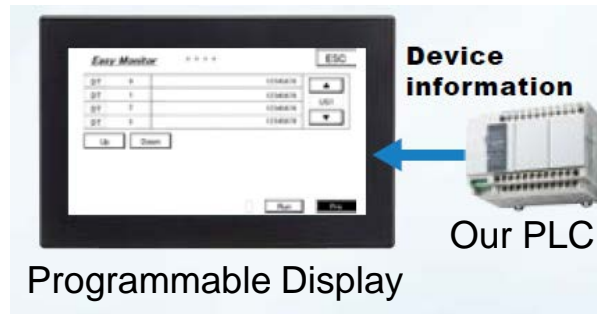


Additional useful functions

Device monitor function shows PLC status without a PC

You can directly monitor multiple PLC devices from the programmable display without having to use a PC (**FPWIN GR / FPWIN GR7**).

The device monitor can be accessed from the system menu, eliminating the need to create additional screens.



*Does not apply to **FP7**.

New function for **GT**.

Battery free Data backup

By eliminating the battery, routine equipment maintenance can be reduced.

You can also turn off the power to save energy without hesitation.



Item	Without battery	With battery
Device maintenance	○	○
Calendar timer operation	—	○

Lineup

GT02

GT02M	5V	Without SD	Black	AIG02MQ02D
			Silver	AIG02MQ03D
			Black	AIG02MQ04D
			Silver	AIG02MQ05D
	24V		Black	AIG02MQ12D
			Silver	AIG02MQ13D
			Black	AIG02MQ14D
			Silver	AIG02MQ15D
With SD	Black	AIG02MQ22D		
	Silver	AIG02MQ23D		
	Black	AIG02MQ24D		
	Silver	AIG02MQ25D		
GT02G	5V	Without SD	Black	AIG02GQ02D
			Silver	AIG02GQ03D
			Black	AIG02GQ04D
			Silver	AIG02GQ05D
	24V		Black	AIG02GQ12D
			Silver	AIG02GQ13D
			Black	AIG02GQ14D
			Silver	AIG02GQ15D
With SD	Black	AIG02GQ22D		
	Silver	AIG02GQ23D		
	Black	AIG02GQ24D		
	Silver	AIG02GQ25D		

GT703 All types are available with SD card.

GT703M (White/ Red)	5V	With SD	232C	Black	AIG703WMN1B5		
				Silver	AIG703WMN1S5		
			422 /485	Black	AIG703WMNMB5		
				Silver	AIG703WMNMS5		
	24V		Without SD	/			
				With SD	232C	Black	AIG703WMN1B2
						Silver	AIG703WMN1S2
					422 /485	Black	AIG703WMNMB2
Silver	AIG703WMNMS2						
GT703G (Green/ Red)	5V	With SD	232C	Black	AIG703WGN1B5		
				Silver	AIG703WGN1S5		
			422 /485	Black	AIG703WGNMB5		
				Silver	AIG703WGNMS5		
	24V		Without SD	/			
				With SD	232C	Black	AIG703WGN1B2
						Silver	AIG703WGN1S2
					422 /485	Black	AIG703WGNMB2
Silver	AIG703WGNMS2						

Caution: It is expected to connect to board for 5V types.

Since the voltage source capacity of PLC tool port (5V) is not enough, please combine 24V types with PLC.

Lineup

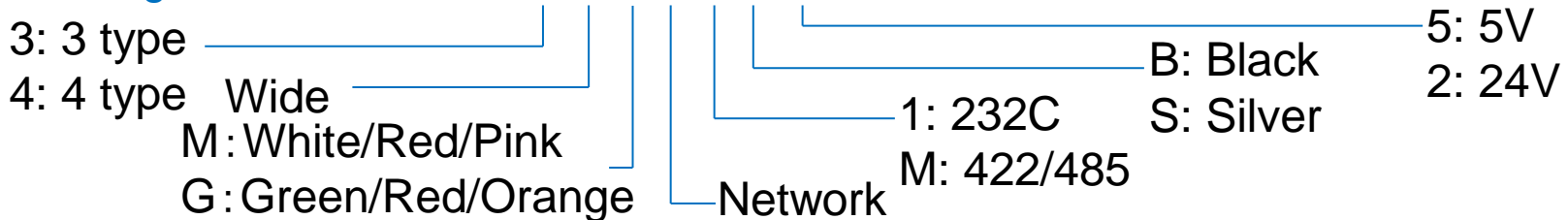
GT12

GT12M	24V	Without SD	Black	AIG12MQ02D
			Silver	AIG12MQ03D
			Black	AIG12MQ04D
			Silver	AIG12MQ05D
		With SD	Black	AIG12MQ12D
			Silver	AIG12MQ13D
			Black	AIG12MQ14D
			Silver	AIG12MQ15D
GT12G	24V	Without SD	Black	AIG12GQ02D
			Silver	AIG12GQ03D
			Black	AIG12GQ04D
			Silver	AIG12GQ05D
		With SD	Black	AIG12GQ12D
			Silver	AIG12GQ13D
			Black	AIG12GQ14D
			Silver	AIG12GQ15D

GT704 All types are available with SD card.

GT704M (White/Red)	24V	Without SD					
						With SD	232C
		Silver	AIG704WMN1S2				
		422/485	Black	AIG704WMNMB2			
			Silver	AIG704WMNMS2			
		GT704G (Green/Red)	24V	Without SD			
				Silver	AIG704WGN1S2		
422/485	Black			AIG704WGNMB2			
	Silver			AIG704WGNMS2			

Model No. organization **AIG70 * W * N * * ***



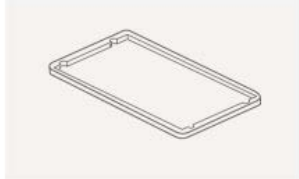
Lineup

Option For GT02/12

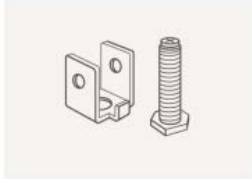
Panel face protection sheets



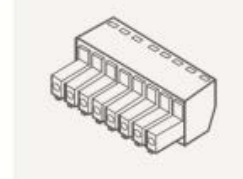
Waterproof Packing



Mounting parts



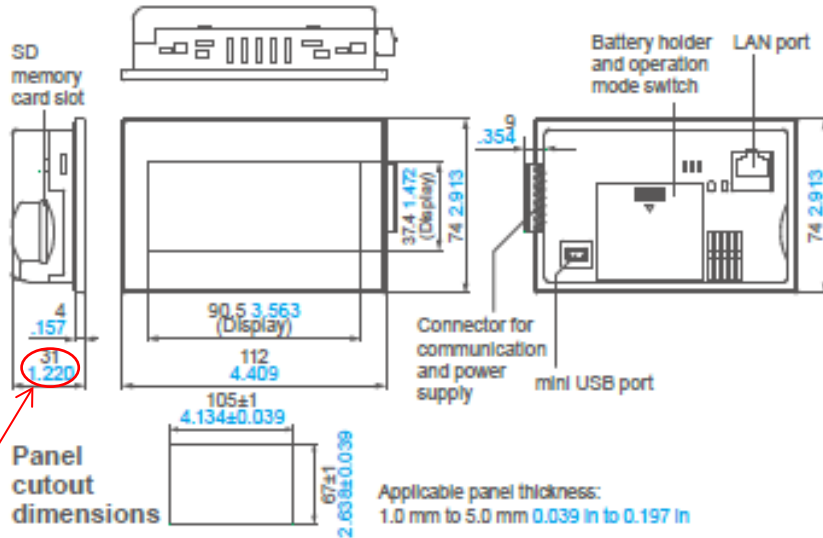
Spare connector Clock backup



Dimensions Thickness is different from GT02/12 for Ethernet.

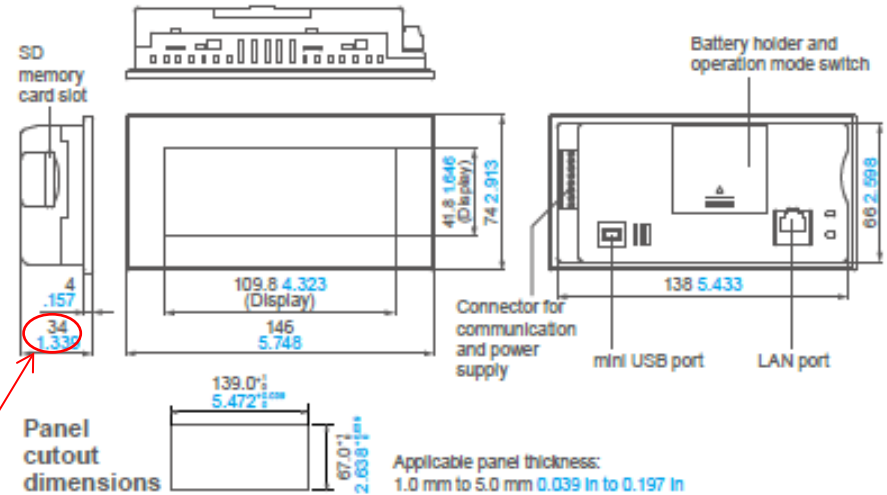
*The size of panel cut for each GT02 and GT12 is same.

GT703



4mm thicker than GT02 (27mm)

GT704



4mm thicker than GT02 (30mm)