

GT series Legacy Programmable Displays

Got questions? Contact Ramco Innovation today!

Toll Free USA - 800-328-6236

Email us- iainside@ramcoi.com



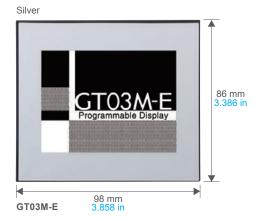




The smallest class body among 3.5 inch screen Color display uses 3.1 W or less for low power consumption!

Tough model





GT03T-E

3.5 inch, 4,096 colors TFT color LCD equipped with long life LED backlight

Built-in SD / SDHC memory card slot *1

Easy to copy, back up, and restore screen data.

*1: Class 10 compatible with a card of up to 32 GB.

GT03M-E

3.5 inch, 16-gray scale TFT monochrome LCD equipped with long life LED backlight

Through use of a TFT LCD with contrast ratio of 1,000 : 1, the "deep black" on a bright display means incredible visibility even in bright environments.

Common features

Superior visibility even in sunlight

The brightness and contrast ratio have been improved.

Wide range of operating temperature that covers outdoor use

The improved environmental resistance allows for use in a wider operating temperature range of -20 to +60 °C -4 to +140 °F.

UV resistant, anti-glare front panel

A front protection layer reduces the intensity of UV rays and has an anti-glare coating.

Impressive water resistance makes usage possible in areas prone to water contact.

The front panel is IP67 rated with added protection applied to the rear of the unit for a more rugged overall construction.

Integrated USB Interface

You can connect your PC and GT03-E using your USB cable to transfer screen data. When used with our FP series PLC, this display supports the pass through function, which allows simultaneous debugging of the PLC and the display.













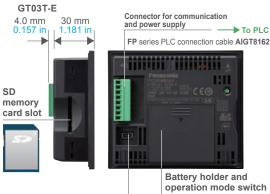


















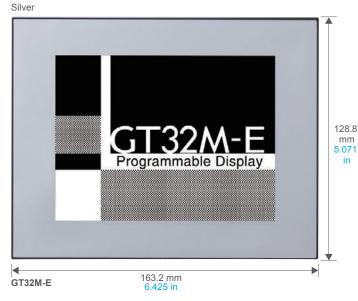
Outdoor use made possible by significantly improved environmental resistance and visibility

5.7 inch (€ 🖔

Tough model

Battery holder and operation mode switch





GT32T-E

5.7 inch, 4,096 colors TFT color LCD equipped with long life LED backlight

Great visibility even in bright environments is possible thanks to use of a TFT LCD with contrast ratio of 500:1.

5.7 inch, 16-gray scale TFT monochrome LCD equipped with long life LED backlight

Through use of a TFT LCD with contrast ratio of 400:1, the "deep black" on a bright display means incredible visibility even in bright environments.

SD

memory card slot 39.1 mm

USB port

FP series PLC connection cable AIGT8162

Connector for communication and power supply

To PC ◀

To PLC ◀

1.5 mm

Common features

Superior visibility even in sunlight

The brightness, contrast ratio, and viewing angle have been improved.

Wide range of operating temperature that covers outdoor use

The improved environmental resistance allows for use in a wider operating temperature range of -20 to +60 °C -4 to +140 °F.

UV Resistant, Anti-glare front panel

A front protection layer reduces the intensity of UV rays and has an anti-glare coating.

Impressive water resistance makes usage possible in areas prone to water contact.

The front panel is IP67 rated with added protection applied to the rear of the unit for a more rugged overall construction.

Built-in SD / SDHC memory card slot *1

Easy to copy, back up, and restore screen data.

*1: Class 10 compatible with a card of up to 32 GB.

Integrated USB Interface

You can connect your PC and GT32-E using your USB cable to transfer screen data.

When used with our FP series PLC, this display supports the pass through function, which allows simultaneous debugging of the PLC and the display.

Transformer-isolated power supply

The isolated power supply enhances the reliability.









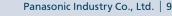
















Black

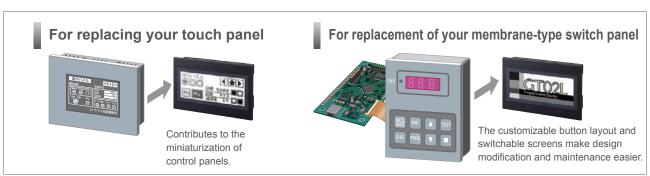
Entry-level Model Touch Panel

3.7 inch (€ ĽK (VL) us

Entry-level model







Compact body with a wide LCD that is the largest size in its class

The small body of 74 mm 2.913 in high and 112 mm 4.409 in wide is equipped with a 3.7 inch large LCD. The analog touch system does not display any annoying visible dots or lines.

MiniUSB interface as standard equipment

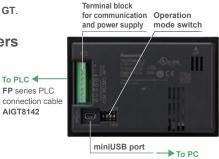
Supports the through function using a USB cable, allowing simultaneous debugging of PLC and GT.

Flexible sizing and layout available for switches and characters

Switches of a minimum of 8×8 dots can be moved in increments of one dot. A wide range of character fonts and sizes (10 to 64 dots) are supported.

Portrait orientation ideal for narrow spaces

Installation in narrow spaces is possible, enhancing the degree of system design freedom.















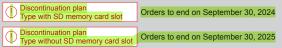




• The panel face protection sheet for the GT series is available as an option.

• The LCD images on this page are composites.





Programmable Display Compact advanced display with 3.8 inch high-contrast monochrome LCD (for clear and vivid images)

CE CK 3.8 inch



General-purpose model





3.8 inch high-contrast monochrome LCD provides top-level viewability.

High-definition 240 × 96 dots LCD produces crisp images. The analog touch screen technology does not display any annoying visible dots or lines.

Bright three-color LED backlight indicates the equipment status.

The color combination is white / pink / red or green / orange / red. The backlight ensures both operability and visibility.



SD / SDHC memory card slot as equipment*1

AIG02MQ2*D and AIG02GQ2*D are equipped with an SD / SDHC memory card slot. Easy to copy, back up, and restore screen data.

*1: Class 10 compatible with a card of up to 32 GB.

27 mm Connector for communication Battery holder and operation mode switch and power supply To PLC ◀ memory card slot FP series PLC 1111 AIGT8162 and miniUSB port To PC

MiniUSB interface as standard equipment

Supports the through function using a USB cable, allowing simultaneous debugging of PLC and GT.

Flexible sizing and layout available for switches and characters

Switches of a minimum of 8 × 8 dots can be moved in increments of one dot. A wide range of character fonts and sizes (10 to 96 dots) are supported.

Equipped with IP67-rated body and newly designed bracket

Portrait orientation ideal for narrow spaces

Installation in narrow spaces is possible, enhancing the degree of system design freedom.























 The panel face protection sheet for the GT series is available as an option.

Discontinuation plan
Type with SD memory

Discontinuation plan
Type without SD mem



Programmable Display Slim body equipped with a 4.6 inch half-QVGA LCD The highest visual quality in its class

C € EK 4.6 inch

General-purpose model



GT12M





4.6 inch TFT high-contrast monochrome half-QVGA LCD with a wide viewing angle provides top-level viewability1.

High-definition half-QVGA (320 × 120) LCD produces crisp images. The analog touch screen technology does not display any annoying visible dots or lines. *1: The display has been changed STN LCD to TFT LCD from production in November 2016.

Bright three-color LED backlight indicates the equipment status.

The color combination is white / pink / red or green / orange / red. The backlight ensures both operability and visibility.



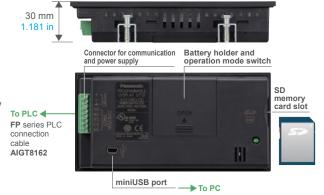
SD / SDHC memory card slot as equipment*2

AIG12MQ1*D and AIG12GQ1*D are equipped with an SD / SDHC memory card slot. Easy to copy, back up, and restore screen data.

*2: Class 10 compatible with a card of up to 32 GB.

MiniUSB interface as standard equipment

Supports the through function using a USB cable, allowing simultaneous debugging of PLC and GT.



Flexible sizing and layout available for switches and characters

Switches of a minimum of 8 × 8 dots can be moved in increments of one dot. A wide range of character fonts and sizes (10 to 120 dots) are supported.

Transformer-isolated power supply

The isolated power supply enhances the reliability.

Equipped with IP67-rated body

Portrait orientation ideal for narrow spaces

Installation in narrow spaces is possible, enhancing the degree of system design freedom.





















Application example: Business dishwasher





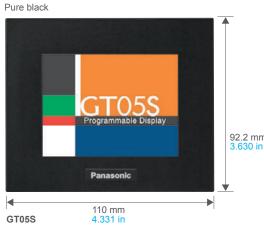
Compact size and equipped with a QVGA LCD Both the color and monochrome types display striking images

3.5 inch CE CH CUL (Excluding GT05G)

General-purpose model



Hairline silver



GT05M





GT05G



GT05G: orange GT05G: red

GT05M / GT05G

3.5 inch TFT high-contrast monochrome QVGA LCD with a wide viewing angle*1

*1: The display has been changed STN LCD to TFT LCD from production in March 2016.

Bright LED backlight adopted

GT05M displays screens in white, red, and pink, and GT05G in green, orange, and red, ensuring both operability and visibility.

Common features

SD / SDHC memory card slot as standard equipment^{*3}

Easy to copy, back up, and restore screen data.

*3: Class 10 compatible with a card of up to 32 GB.

USB interface as standard equipment

Supports the through function using a USB cable, allowing simultaneous debugging of PLC and GT.

Characters of a 240 dots maximum size can be displayed.

Capable of displaying several fine 10-dot characters or one 240 dots character in full screen.

Transformer-isolated power supply

The isolated power supply enhances the reliability.























• The panel face protection sheet for the GT series is available as an option.



GT05S

3.5 inch TFT 4,096 colors QVGA LCD with a wide viewing angle*2

*2: The display has been changed STN LCD to TFT LCD from production in December 2011

Bright LED backlight adopted

Battery holder and operation mode switch

3.9 mm

0.154 in

33 8 mm

1.331 in





GT32M/T now with improved performance!









5.7 inch







General-purpose model

Pure black



Hairline silver 128 8 mm 5.071 Programmable Display in 163.2 mm GT32M-R

GT32T-R

5.7 inch, 4,096 colors TFT color LCD equipped with long life LED backlight

Great visibility even in bright environments is possible thanks to use of a TFT LCD with contrast ratio of 500: 1.

5.7 inch, 16-gray scale TFT monochrome LCD equipped with long life LED backlight

Through use of a TFT LCD with contrast ratio of 400 : 1, the "deep black" on a bright display means incredible visibility even in bright environments.

Common features

Slim frame and body

Designed for easy installation with slim frame and body compared to LCD.

Built-in SD / SDHC memory card slot *1

Easy to copy, back up, and restore screen data Data logging possible.

*1: Class 10 compatible with a card of up to 32 GB.

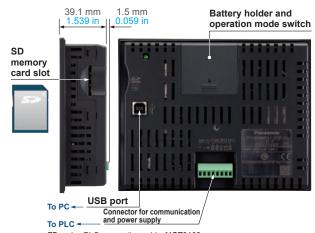
Integrated USB Interface

You can connect your PC and GT32-R using your USB cable to transfer

When used with our FP series PLC, this display supports the pass through function, which allows simultaneous debugging of the PLC and the display.

Transformer-isolated power supply

The isolated power supply enhances the reliability.



FP series PLC connection cable AIGT8162





















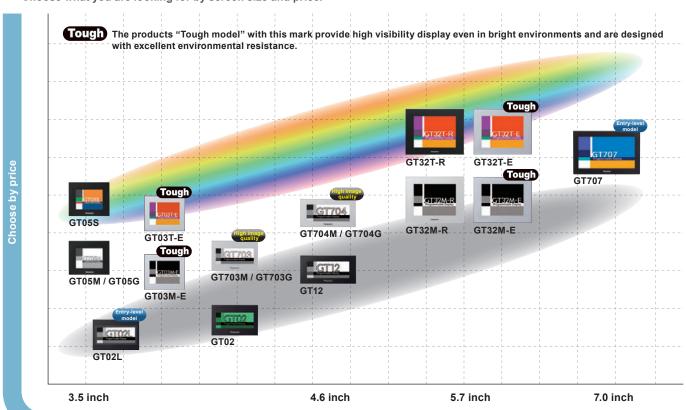
• The panel face protection sheet for the GT series is available as an option.

GTseries

To de						Display	b	- / 1			cternal terface
1			Screen size	Display type	Display color	Resolution	Backlight	Displayable characters (Note)	Memory capacity (F-ROM)	USB	SD / SDHC memory card
General-purpose	GT32M-R P.21	24 V DC		TFT monochrome LCD	2 colors (black / white) (16-gray) scale	320(W) × 240(H) dots	White LED	768 characters	12 Mbyte	0	0
model	GT32T-R GT32T-R GT32T-R	24 V DC	5.7 inch	TFT color LCD	4,096 colors	320(W) × 240(H) dots	White LED	768 characters	12 Mbyte	0	0
Entry-	GT707 P.16	24 V DC	7 inch widescreen	TFT color LCD	65,536 colors	800(W) × 480(H) dots	White LED	600 characters	76 Mbyte	O (mini)	0
level model	GT02L P.17	5 V DC		STN monochrome LCD	2 colors (black / white)	160(W) × 64(H) dots	White LED	96 characters	704 kbyte	O (mini)	-
	*Note: With the 10-dot font (For GT707: 32-dot font)										

Product types

Choose what you are looking for by screen size and price.



GTseries

9-1			Power				Display	4		7		xternal iterface
	K S		supply	Screen size	Display type	Display color	Resolution	Backlight	Displayable characters (Note)	Memory capacity (F-ROM)	USB port	SD / SDHO memory card
,	GT03-E	P.8 CT03ME	24 V DC	3.5 inch	TFT monochrome LCD	2 colors (black / white) (16-gray scale)	320(W) × 240(H) dots	White LED	768 characters	6 Mbyte	(mini)	_
Tough Environ- mentally-	G	СТОЗТ-Е ТОЗТ-Е	24 V DC	3.5 inch	TFT color LCD	4,096 colors	320(W) × 240(H) dots	White LED	768 characters	12 Mbyte	O (mini)	0
resistant Tough model	GT32-E	P.9	24 V DC	5.7 inch	TFT monochrome LCD	2 colors (black / white) (16-gray scale	320(W) × 240(H) dots	White LED	768 characters	12 Mbyte	0	0
	G	GT32T-E	24 V DC	5.7 inch	TFT color LCD	4,096 colors	320(W) × 240(H) dots	White LED	768 characters	12 Mbyte	0	0
High image	GT703 GT703M	P.4 G1703 G1703G	5 V DC 24 V DC	3.8 inch	TFT monochrome LCD	2 colors (black / white) (64-gray scale)	480(W) × 192(H) dots	GT703M: 3-color LED (white / pink / red) GT703G: 3-color LED (green / orange / red)	912 characters	16 Mbyte	O (mini)	0
quality model	GT704 GT704M	P.5	24 V DC	4.6 inch	TFT monochrome LCD	2 colors (black /) white) (64-gray) scale	640(W) × 240(H) dots	GT704M: 3-color LED (white / pink / red) GT704G: 3-color LED (green / orange / red)	1,536 characters	16 Mbyte	O (mini)	0
	GT02 GT02M	P.18 GT02G	5 V DC 24 V DC	3.8 inch	TFT monochrome LCD	2 colors (black / white	240(W) × 96(H) dots	GT02M: 3-color LED (white / pink / red) GT02G: 3-color LED (green / orange / red)	characters	2 Mbyte	O (mini)	AIG02MQ2* and AIG02GQ2* only
General-	GT12 GT12G	P.19 GT12M	24 V DC	4.6 inch	TFT monochrome LCD	2 colors (black / white) (8-gray scale)	320(W) × 120(H) dots	GT12M: 3-color LED (white / pink / red) GT12G: 3-color LED (green / orange / red)	characters	2 Mbyte	O (mini)	AIG12MQ1* and AIG12GQ1* only
purpose model	GT05	P.20					GT05M / 0					
	GT05M	GT05G	24 V DC	3.5 inch	TFT monochrome LCD	2 colors (black / white)	320(W) × 240(H) dots	GT05M: 3-color LED (white / pink / red) GT05G: 3-color LED (green / orange / red)	characters	2 Mbyte	0	0
							GT05	is				
	GT055	GT055	24 V DC	3.5 inch	TFT color LCD	4,096 colors	320(W) × 240(H) dots	White LED	768 characters	12 Mbyte	0	0

GTseries | PLC COMPATIBILITY TABLE

Models listed are the models that have been evaluated as of March, 2018.

Company name	Series	Model	RS-232C type	RS-422 / RS-485 type ^{*2}
		FP7	0	0
		FP0H	0	0
		FP-X	0	0
		FP-X0	0	0
Our company	FP series	FPΣ	0	0
Our company	TT Selles	FP-e	0	0
		FP0	0	0
		FP0R	0	0
		FP2	0	0
		FP2SH	0	
		FX0N	0	0
		FX1S	0	0
		FX1N	0	0
		FX1NC	0	0
	FX series	FX2N	0	0
		FX2NC	0	0
		FX3UC	0	0
		FX3U	0	0
		FX3G		0
		FX3GC		0
	IQ-F series	FX5U	<u> </u>	0
		FX5UC	<u> </u>	0
		Q00CPU	0	
		Q01CPU	<u> </u>	
		Q00JCPU	0	
Mitsubishi		Q00HCPU	0	
Electric ^{*1}	0	Q00UJCPU	0	
2.000.10	Q series	Q26UDHCPU	0	0
		Q25HCPU	<u> </u>	
		Q12HCPU	0	
		Q06HCPU	<u> </u>	
		Q02HCPU	0	
		Q02CPU	<u> </u>	
		A1N	0	
		A2N	0	
	A series	A3N	<u> </u>	
	(Except	A1S	0	
	(GT7□□ <i>)</i>	A1SJ	0	
		A2SH	0	
		A1SH	0	
		A2CCPU24	<u> </u>	
	L series	L26CPU-BT	<u> </u>	
		L02SCPU	<u> </u>	0
		C200H		
		C200HS	<u> </u>	
		C500 C500F		
			0	
		C1000H C2000	0	
		C2000H C1000HF	0	
			<u> </u>	
		C20H C28H	<u> </u>	
	C series	C40H	<u>O</u>	
		C120	0	
		C120F	0	
			<u> </u>	
		CQM1-CPU42 SRM1-C02	0	
		CPM2A	0	
		CPM1-20CDR-A		
Omron*1		CQM1H-CPU21	<u> </u>	
Onlivii		CPM2C	<u>O</u>	
		CPM2B	0	
		C200HE-CPU32(-Z)		
		C200HG-CPU33(-Z)	0	
		C200HG-CPU33(-Z)	0	
		C200HG-CPU53(-Z)	0	
		C200HX-CPU34(-Z)	0	
		C200HX-CPU34(-Z)	<u> </u>	
	α series	C200HE-CPU42(-Z)	<u></u>	
		C200HG-CPU43(-Z)	0	
		C200HX-CPU44(-Z) C200HX-CPU64(-Z)	0	
			0	
		C200HX-CPU65-Z C200HX-CPU85-Z	<u> </u>	
		CV500		
	CV series	CV300 CV1000	<u> </u>	
	Cv series	CV1000		
		CVIVII		

Company name	Series	Model	RS-232C type	RS-422 / RS-485 type ^{*2}
		CS1H-CPU67	0	
		CS1H-CPU66	0	
		CS1H-CPU65	0	
		CS1H-CPU64	0	
		CS1H-CPU63	0	
	001 001100	CS1G-CPU45	0	
		CS1G-CPU44	0	
			0	
Omron*1		CS1G-CPU43	-	
Omron		CS1G-CPU42	0	
		CJ1H	0	
		CJ1M	0	
	CJ series	CJ1G	0	
		CJ2H	0	
		CJ2M	0	
		CP1H	0	
	CP1 series	CP1L	0	
		CP1E	©* ⁴	0
Toshiba	TO		0	0
Machine*1	TC mini series		-	rt Models with RS-485 port
		F3SP59-7S	(C)	2 .22 port
		F3SP58-6S	0	
			0	
		F3SP58-6H	-	
	FA-M3 series	F3SP53-4S	0	
		F3SP53-4H	0	
Yokogawa		F3SP38-6S	0	
Electric*1		F3SP38-6N	0	
		F3SP35-5N	0	
		F3SP28-3S	0	
		F3SP28-3N	0	
		F3SP25-2N	0	
		F3SP21-0N	0	
	KV Nano series	1 331 21-011	0	
	KV IVAIIO SEIIES	KV 40/46/04/40	-	
		KV-10/16/24/40	0	
KEYENCE*1		KV700	0	0
	KV series	KV1000	0	0
		KV3000	0	0
		KV5000	0	0
		EHV-CPU128	0	0
	EH-150 EHV	EHV-CPU64	0	0
	series	EHV-CPU32	0	0
		EHV-CPU16	0	0
		EH-CPU104A	0	0
		EH-CPU208A	0	0
Hitachi	EH150 series	EH-CPU316A	0	0
Industrial	LITTOU SCIICS		0	0
Equipment		EH-CPU516	-	
Systems*1		EH-CPU548	0	0
,		10-point		
	MICRO-EH	14 / 20-point	0	
	series	23 / 28-point	0	0
		40 / 64-point	0	
	Mob controll	10-point	0	
	Web controller	23-point	0	0
Rockwell		MicroLogix500	0	
Automation ¹	MicroLogix	MicroLogix1000	0	
(Allen-Bradley)	series	MicroLogix1000	0	
Models that	SLC-500			
support DF		SLC-5/03	0	
protocol	series	SLC-5/04	0	
		CPU222	0	0
		CPU216	0	0
Siemens*1	S7-200 series	CPU215	0	0
		CPU214	0	0
		CPU212	0	0
LS Industrial	MASTER-K	80S / 200S	0	
		300S / 1000S	Õ	
Systems*1				
Systems*1	Series Models that support			
Modbus*1	Models that support RTU protocol Our dedicated protocol	*3	0	0

Refer to the HELP of the latest version of tool software "Terminal GTWIN", or GT series Connection with other companies PLC's Manual for more details such as usable devices and addresses. Information on how to connect our programmable display and PLC is available. The manual can be downloaded from our website.

^{*1:} PLCs other than our FP series may be limited in the type of device that can be used and addresses. Please see manual for details.

*2: Communication may not be possible when using RS-485 depending on the sending and receiving timing with the other device.

*3: We cannot specify what other device you should use; therefore, please test it using the actual equipment before using.

*4: Available for models equipped with on RS-232C port.

©: Direct connection is possible to the CPU unit of the PLC.

©: Connection is possible using the communications unit or a signal conversion cable, etc.

(Example: The QJ71C24N or QJ71C24N-R2 calculator link unit is required when using the Mitsubishi Q Series.)

**Connection is not possible
Blank: Not evaluated.

GTseries | PART NUMBER LIST

				D	escription			
Туре	Product name	LCD	Screen size	Power supply	Communication port	Color of front panel	SD memory card slot (Note)	Part No.
	GT03M-E	TFT monochrome LCD			RS-232C	Silver	Not available	AIG03MQ03D
Tough	0.00	(white backlight)	3.5 inch		RS-422 / RS-485	00.		AIG03MQ05D
	GT03T-E	TFT color LCD (white backlight)			RS-232C RS-422 / RS-485	Silver	Available	AIG03TQ13DI AIG03TQ15DI
nvironmentally-		TFT monochrome LCD		24 V DC	RS-232C			AIG32MQ03D
resistant Tough model	GT32M-E	(white backlight)	F 7 in ala		RS-422 / RS-485	Silver	Available	AIG32MQ05D
rough model	GT32T-E	TFT color LCD	5.7 inch		RS-232C	Silver	Available	AIG32TQ03D
	01021-L	(white backlight)			RS-422 / RS-485		/ Wallable	AIG32TQ05DI
					RS-232C	Pure black Silver		AIG703WMN1E
				5 V DC		Pure black	Available	AIG703WMN1S AIG703WMNMI
	OT700M	TFT monochrome LCD			RS-422 / RS-485	Silver		AIG703WMNM
	GT703M	(white / pink / red backlight			RS-232C	Pure black		AIG703WMN1E
		, backlight ,		24 V DC	K3-232C	Silver	Available	AIG703WMN1S
				2.750	RS-422 / RS-485	Pure black	- Available	AIG703WMNM
			3.8 inch			Silver Pure black		AIG703WMNMS AIG703WGN1E
					RS-232C	Silver		AIG703WGN1S
				5 V DC -	DO 400 / DO 405	Pure black	Available	AIG703WGNMI
High image	GT703G	TFT monochrome LCD / green / orange / \			RS-422 / RS-485	Silver		AIG703WGNM
quality model	317030	red backlight			RS-232C	Pure black		AIG703WGN1E
		()			110 2020	Silver	Available	AIG703WGN1S
					RS-422 / RS-485	Pure black Silver		AIG703WGNMI
						Pure black		AIG703WGNMS AIG704WMN1E
		TFT monochrome LCD	- 4.6 inch		RS-232C	Silver		AIG704WMN1S
	GT704M	(white / pink / red backlight)			DC 422 / DC 405	Pure black	Available	AIG704WMNM
		\ backlight /		24 V DC	RS-422 / RS-485	Silver		AIG704WMNM
		TFT monochrome LCD		24 1 00	RS-232C	Pure black		AIG704WGN1E
	GT704G	/ green / orange / \				Silver	Available	AIG704WGN1S
		red backlight /			RS-422 / RS-485	Pure black Silver		AIG704WGNMI
						Pure black		AIG02MQ02D
				5 V DC	RS-232C	Hairline silver		AIG02MQ03D
			3.8 inch	3 V DC	RS-422 / RS-485	Pure black		AIG02MQ04D
				3 inch 24 V DC	110 1227110 100	Hairline silver	Not available	AIG02MQ05D
		TFT monochrome LCD			RS-232C	Pure black		AIG02MQ12D AIG02MQ13D
	GT02M	(white / pink / red)				Hairline silver Pure black		AIG02MQ13D
		\ backlight /			RS-422 / RS-485	Hairline silver		AIG02MQ15D
					RS-232C	Pure black		AIG02MQ22D
					K3-232C	Hairline silver	Available	AIG02MQ23D
					RS-422 / RS-485	Pure black	, wanasio	AIG02MQ24D
						Hairline silver Pure black		AIG02MQ25D AIG02GQ02D
					RS-232C	Hairline silver		AIG02GQ02D
				5 V DC	DO 400 / DO 405	Pure black		AIG02GQ04D
					RS-422 / RS-485	Hairline silver	Not available	AIG02GQ05D
		TFT monochrome LCD			RS-232C	Pure black	Not available	AIG02GQ12D
General-	GT02G	/ green / orange / \	3.8 inch			Hairline silver		AIG02GQ13D
urpose model		red backlight			RS-422 / RS-485	Pure black Hairline silver		AIG02GQ14D AIG02GQ15D
				24 V DC		Pure black		AIG02GQ13D
					RS-232C	Hairline silver	A - 11-1-1-	AIG02GQ23D
					RS-422 / RS-485	Pure black	Available	AIG02GQ24D
					10-722 / 10-400	Hairline silver		AIG02GQ25D
		TFT monochrome LCD			RS-232C	Pure black		AIG05MQ02D
	GT05M	/white / pink / red	3.5 inch	24 V DC		Hairline silver Pure black	Available	AIG05MQ03D AIG05MQ04D
		backlight /			RS-422 / RS-485	Hairline silver		AIG05MQ04D
					DO COST	Pure black		AIG05MQ03D
	GT05G	TFT monochrome LCD / green / orange / \	3.5 inch	24 V DC	RS-232C	Hairline silver	Available	AIG05GQ03D
	G105G	red backlight	3.3 111011	24 V DC	RS-422 / RS-485	Pure black	Available	AIG05GQ04D
		, , , , , , , , , , , , , , , , , , , ,				Hairline silver		AIG05GQ05D
		TET polor LCD			RS-232C	Pure black		AIG05SQ02D AIG05SQ03D
	GT05S	TFT color LCD (white backlight)	3.5 inch	24 V DC		Hairline silver Pure black	Available	AIG05SQ03D
		(RS-422 / RS-485	Hairline silver		AIG05SQ05D
				1	J.			

Note: The model of the "Available" have a built-in clock.
*1: The order is scheduled to close at the end of September 2025 and there is no recommended substitute.
*2: The order is scheduled to close at the end of September 2024 and there is no recommended substitute.

Main Unit and Tool Software

Туре	Product name	LCD	Screen size	Power supply	Communication port	Color of front panel	SD memory card slot (Note)	Part No.	
					RS-232C	Pure black		AIG12MQ02D ^{*1}	
					RS-232C	Hairline silver	Not available	AIG12MQ03D ^{*1}	
					RS-422 / RS-485	Pure black	Not available	AIG12MQ04D ^{*1}	
	GT12M	TFT monochrome LCD	4.6 inch	24 V DC		Hairline silver		AIG12MQ05D ^{*1}	
	GTTZIVI	(white / pink / red) backlight	4.6 IIICII	24 V DC	RS-232C	Pure black		AIG12MQ12D ²	
		t backlight /			R3-232C	Hairline silver	Available	AIG12MQ13D ^{*2}	
					RS-422 / RS-485	Pure black	Available	AIG12MQ14D ^{*2}	
					K3-422 / K3-403	Hairline silver		AIG12MQ15D ^{*2}	
		TFT monochrome LCD		24 V DC	RS-232C	Pure black		AIG12GQ02D ^{*1}	
			4.6 inch			Hairline silver	Not available	AIG12GQ03D ^{*1}	
					RS-422 / RS-485	Pure black		AIG12GQ04D ^{*1}	
General-	GT12G				K3-422 / K3-403	Hairline silver		AIG12GQ05D ¹¹	
purpose model	GTTZG	green / orange / red backlight			RS-232C	Pure black		AIG12GQ12D ²	
		(red backlight)			R5-232C	Hairline silver	Available	AIG12GQ13D ^{*2}	
					RS-422 / RS-485	Pure black	Available	AIG12GQ14D ^{*2}	
						Hairline silver		AIG12GQ15D ^{*2}	
					RS-232C RS-422 / RS-485	Pure black	- Available	AIG32MQ02DR ^{*2}	
	GT32M-R	TFT monochrome LCD	5.7 inch	24 V DC		Hairline silver		AIG32MQ03DR ^{*2}	
	G I 32IVI-R	(white backlight)				Pure black		AIG32MQ04DR ^{*2}	
					K3-422 / K3-403	Hairline silver		AIG32MQ05DR ^{*2}	
					RS-232C	Pure black		AIG32TQ02DR ^{*2}	
	GT32T-R	TFT color LCD	5.7 inch	24 V DC	K3-232C	Hairline silver	Available	AIG32TQ03DR ^{*2}	
	G1321-K	(white backlight)	J.7 IIICII	24 V DC	RS-422 / RS-485	Pure black	Available	AIG32TQ04DR ^{*2}	
					RS-4221 RS-403	Hairline silver		AIG32TQ05DR ^{*2}	
Entry-level	GT707	TFT color LCD (white backlight)	7 inch widescreen	24 V DC	RS-232C	Black	Available	AIG707WCL1G2	
model	CTOOL	STN monochrome LCD	0.7 :	5.V.D.C	RS-232C	Disale	Niet erreitek is	AIG02LQ02D ^{*1}	
	GT02L	(white backlight)	3.7 inch	5 V DC	RS-422 / RS-485	Black	Not available	AIG02LQ04D ^{*1}	
Torminal C	TWIN Ver.3 *3	Japanese version			Terminal GT\	WIN CD-ROM		AIGSGT7JP	
reminal G	I WIN VEL'S	English version			Terminal GT\	WIN CD-ROM		AIGSGT7EN	

Cables | PLC connection cable

Power supply and communication port		Connection cable	PLC
5 V DC RS-232C	(GT side) (PLC side)	Part No.: AIGT8142*1 PLC connection cable (2 m 6.562 ft) 5-pin mini DIN connector — 4 single wires + shielding wire	Our FP series (except FP7/FP0H/FP-XH) *2
5 V DC RS-422 / RS-485		Part No.: AIGT8152*1 PLC connection cable (2 m 6.562 ft) 8-pin mini DIN connector — 6 single wires + shielding wire	Mitsubishi Electric FX series
24 V DC RS-232C		Part No.: AIGT8162 PLC connection cable (2 m 6.562 ft) 5-pin mini DIN connector — 3 single wires + shielding wire AIGT8165 (5 m 16.404 ft) and AIGT8160 (10 m 32.808 ft) are also available.	Our FP series (except FP7/FP0H/FP-XH) *2
24 V DC RS-232C		Part No.: AFC8503 For GT707, PLC connection cable (L type: 3 m 9.843 ft) 9-pin D-SUB connector — 5-pin mini DIN connector	Our FP series (except FP7/FP0H/FP-XH) *3
24 V DC RS-232C		Part No.: AFC8503S For GT707 , PLC connection cable (straight type: 3 m 9.843 ft) 9-pin D-SUB connector — 5-pin mini DIN connector	Our FP series (except FP7/FP0H/FP-XH) *3
24 V DC RS-422 / RS-485		Part No.: AIGT8175 PLC connection cable (5 m 16.4 ft) 8-pin mini DIN connector — 4 single wires + shielding wire	Mitsubishi Electric FX series
24 V DC RS-232C		Part No.: AIP81842 PLC connection cable (2 m 6.562 ft) 9-pin D-SUB connector — 6 single wires	FP2 / FP2SH COM port, CCU (Computer Communication Unit)

Note: The model of the "Available" have a built-in clock.

*1: The order is scheduled to close at the end of September 2025 and there is no recommended substitute.

*2: The order is scheduled to close at the end of September 2024 and there is no recommended substitute.

^{*3:} Some functions are not supported in GT series other than GT703 / GT704 / GT707.

^{*1:} This cable is exclusively designed for the **GT** series (5 V DC) and is powered by PLC. *2: For **FP7/FP0H/FP-XH** series, please use a commercially available discrete wire cable.

^{*3:} For FP7/FP0H/FP-XH series, please use commercially available D-SUB 9-pin (female) connector cable with discrete wire.

GTseries | PART NUMBER LIST

Options



■ Panel face protection sheets

10 sheets in a set (option)

For GT02L / GT02 / GT703	Part No.: AIG02800
For GT05	Part No.: AIG05800
For GT12 / GT704	Part No.: AIG12800
For GT32-R	Part No.: AIG32800
For GT707	Part No.: AIG7A07S0



■ Waterproof packing

Waterproof packing (for replacement), 10 pieces in

Package includes one piece.

For GT02L / GT02 / GT703	Part No.: AIG02810
For GT03-E	Part No.: AIG03810E
For GT05	Part No.: AIG05810
For GT12 / GT704	Part No.: AIG12810
For GT32-R/E	Part No.: AIG32810E

^{*} The waterproof packing for GT02(L) is different from the GT02L main unit accessory.



■ GT02 / GT02L / GT703 / GT03-E / GT12 / GT704 mounting parts

5 sets of mounting parts (4 parts / set) Package includes one set.

Part No.: AIG12830



■ GT05 / GT32-R / GT32-E

mounting parts
5 sets of mounting parts (2 parts / set)
Package includes one set.

Part No.: AIGT28321 For GT05

Part No.: AIG32830 For GT32-R/E



■ Spare connector

5 connectors for communication and power supply in a set Package includes one set.

Part No.: AIGT084



■ GT02 / GT703 / GT03-E / GT05 / GT12 / GT704 / GT32-R /GT32-E backup battery

Part No.: AFPX-BATT



■ GT707 backup battery

Part No.: AFPABAT001

GTseries | SPECIFICATIONS



	Due di cet me me	OTODA F	OTOST F	OTOOM E	OTOOT F					
11.	Product name	GT03M-E	GT03T-E	GT32M-E	GT32T-E					
Item	Туре	RS-232C RS-422 / RS-485	RS-232C RS-422 / RS-485	RS-232C RS-422 / RS-485	RS-232C RS-422 / RS-485					
Applicable i		CE Marking (EMC Directive, RoHS Di		CA Marking (EMC Regulations, RoHS R	Regulations) (Excluding some models					
Power supp	•		24 V							
Operating v	voltage range		21.6 to 26							
Power cons	sumption	1.9 W or less	3.1 W or less	4.8 W or less	7.2 W or less					
Power supp	oly unit isolation method			Transforme	er isolation					
Ambient ter	mperature	-20 to +60 °C -4 to +140 °F (Note 1)								
Ambient hu	ımidity	10 to 90 % RH (at +25 °C +77 °F), (No dew condensation allowed)								
Storage ten	mperature		-20 to +60 °C	-4 to +140 °F						
Storage hui	midity		10 to 90 % RH (at +25 °C +77 °F)	, (No dew condensation allowed)						
Vibration re	esistance	5 to 8.4 Hz, amplitude 3.5 m	m 0.138 in, 8.4 to 150 Hz, acceleration	9.8 m/s ² , 10 sweeps each in X, Y and	Z directions (1 octave/min.)					
Shock resis	stance		147 m/s², 3 times in each of	of the X, Y and Z directions						
Superposed	d noise suppression	1,000 V [P-P]	or more, pulse width of 50 ns, 1 µs bet	tween power supply terminals (by a noi	se simulator)					
Environmer	ntal resistance	IP67 (in the initial stages), Dust-proof	and drip-proof from the front of the pa	nel only (Rubber packing is attached to	the panel contact surface.) (Note 2)					
Net weight		170 g a	approx.	470 g a	pprox.					
	Display device	TFT monochrome LCD	TFT color LCD	TFT monochrome LCD	TFT color LCD					
	Resolution		320 (W) × 2	40 (H) dots						
Display	Display color	2 colors (black / white, 16-gray scale)	4,096 colors	2 colors (black / white, 16-gray scale)	4,096 colors					
	Displayable area	70.6 (W) × 52.9(H) mm	2.780 (W) × 2.083 (H) in	115.2 (W) × 86.4 (H) mm	4.535 (W) × 3.402 (H) in					
	Backlight		White	LED						
	Font types	Fixed (GTWIN): 1/4 width (8 × 8), half width (16 × 8), full width (16 × 16), Characters can be displayed in the 1, 2, 4, or 8 times width or height. True Type (GTWIN): 10 to 240 dots, Windows [®] : 10 to 240 dots								
	Languages	Japanese, English, Simplified Chinese, Traditional Chinese, Korean, German, Italian, Spanish, French, Turkish, Russian, Vietnamese								
	Graphics	Straight lines, Continuous straight lines, Squares, Circles, Ovals, Arcs, Elliptic arcs, Fan shapes, Elliptic fan shapes, Beveled squares, Bitmaps								
-	Number of screens (Note 3)	230 screens approx. 180 screens approx.								
	Screen setting No.	Base screens: No. 0 to 3FF, Key board screens: No. 0 to 7, Login screens: No. 0 to F								
	Part functions	Messages, Lamps, Switches, Function switches, Data, Bar graphs, Clocks, Keyboards, Line graphs, Alarm list, Alarm history (Note 4), Custom parts (messages, lamps, switches)								
Functions	Other functions	Recipe, Flow display, Write device, Multiple PLC connection, FP monitor, Language switching, GT link, Operation security, Data logging, SD recipe (Note 5)								
	Clock function	Displayed by referencing PLC clock Provided with a built-in clock. (Can also refer to and display a PLC clock.) * Buy the backup battery (AFPX-BATT								
	Backlight brightness adjustment	Can I	pe set on the menu screen, via the GT	configuration screen of GTWIN, or via	PLC.					
	Contrast adjustment		Unnec	essary						
	Buzzer		Insta	alled						
	Automatic communication settings	The communicatio	n speed (baud rate) is automatically ch	nanged if there is no response from the	target equipment.					
	Through function	GT connecte	ed between PC and PLC allows PLC to	be debugged without a direct connecti	ion to a PC.					
	Screen creation			Windows® 2000 / XP / Vista / 7 / 8 / 8.1						
Touch key r	resolution		Free layout ((8 dots min.)						
	operation force		0.8 N (or less						
Touch key I			1 million operations or n	nore (at +25 °C +77 °F)						
	Communication standard	Conforms to RS-232C Conforms to RS-422 / RS-485		Conforms to RS-232C Conforms to RS-422 / RS-485	Conforms to RS-232C Conforms to RS-422 / RS-48					
COM. port	External communication conditions		Baud rate: 9,600 bps, 19,200 bps, 38 Data bits: 7 or 8 bits, Parity: None, C		<u> </u>					
	Protocol	Our FP series supported, General-purpose seria	al interface supported, and Other companies' PLC	supported (Refer to the "PLC COMPATIBILITY T.	ABLE" on p.23 for manufacturers and models.)					
	Connector	Our FP series supported, General-purpose serial interface supported, and Other companies' PLC supported (Refer to the "PLC COMPATIBILITY TABLE" on p.23 for manufacture. Connector terminal block (8 pins)								
				31.1						
Screen	data			ed protocol						
data	Protocol			USB TYPE-B						
data transfer	Protocol Connector	USB I		USB TY	YPE-B					
data transfer interface	Connector	USB I	/lini-B		YPE-B					
data transfer interface User's	Connector Memory			OM	YPE-B					
Screen data transfer interface User's memory	Connector	USB f	/lini-B		YPE-B					

Conformance to the UL / c-UL standards

UL / c-UL file No.	E96300
UL standard No.	UL508

- Notes: 1) Please use within a temperature range of 20 to + 55 °C 4 to + 131 °F when horizontally installed and vertically installed in a portrait orientation, upside down installed and when using battery.
 2) This protective structure condition applies to the front surface of the installed panel. This condition does not guarantee usage in all environments provided by users. When reattaching the panel, replace the waterproof packing.
 3) The number of screens that can be registered varies according to the registered contents.
 4) The alarm history function is not supported for the GT03M-E.
 5) The data logging and SD recipe functions are available with only models equipped with an SD / SDHC memory card slot.
 6) The 64-bit version is not supported except for Windows® 7 / 8 / 8.1 / 10. Windows is registered trademark of Microsoft Corporation in the United States and other countries.

GTseries | SPECIFICATIONS

					1					
	Product name	GT02L	GT0:			/ GT05G	GT05S			
Item \	Туре	5 V, RS-232C 5 V, RS-422 / RS-485			RS-232C RS-422 / RS-485 RS-232C RS-422 / RS-4					
Applicable r	regulations	CE Marking (EMC Directive, RoHS Di	irective) (Excluding so	me models), UK	CA Marking (EMC Regulations, RoHS Regulations) (Excluding some models)					
Power supp	oly	5 V DC				24 V DC				
Operating v	roltage range	4.5 to 5.5 V DC	4.5 to 5.5 V DC			21.6 to 26.4 V DC				
Power cons	sumption	1 W or less		1.9 W or less	2.4 W	or less	3.6 W or less			
Power supp	ly unit isolation method					Transforme	er isolation			
Ambient ten	nperature			0 to +50 °C +	32 to +122 °F					
Ambient hur	midity	20 to 85 % RH (at +25 °C +77 °F), (No dew condensation allowed)								
Storage tem	nperature			–20 to +60 °C	-4 to +140 °F					
Storage hun	midity		10 to 85 % RH (at +25 °C +77 °F), (No dew condens	sation allowed)				
Vibration res	sistance	5 to 8.4 Hz, amplitude 3.5 mm 0.138 in 10 sweeps each in X, Y and Z direction		eration 9.8 m/s ² ,		minute cycle), Dou each of the X, Y, an	ble amplitude 0.75 mm 0.030 in, d Z directions			
Shock resist	tance	147 m/s², 3 times in each	of the X, Y and Z direc	ctions	98 m/s	s ² , 4 times in each of	f the X, Y, and Z directions			
Superposed	d noise suppression	1,000 V [P-P] or r	more, pulse width of 50	0 ns, 1 µs betwee	en power supply ter	minals (by a noise s	simulator) (Note 1)			
	ntal resistance	IP65 (in the initial stages) (Note 2)	IP67 (in the initial s			IP65 (in the initial				
Net weight		150 g approx.	170 g ap			230 g a				
TVCt Weight	Display device	STN monochrome LCD	TFT monochrome		TET monochroi	me LCD (Note 4)	TFT color LCD (Note 5)			
				. ,	TI I IIIOIIOCIIIOI	. , , ,	. , , ,			
	Resolution	160 (W) × 64 (H) dots	240 (W) × 96			320 (W) × 2				
Display	Display color		2 colors (blac				4,096 colors			
	Displayable area	88.0 (W) × 35.2 (H) mm 3.465 (W) × 1.386 (H) in	88.5 (W) × 35.4 (H) mm 3.4	184 (W) × 1.394 (H) in	70.6 (W) × 52.9 (H) mm	2.780 (W) × 2.083 (H) in	70.3 (W) × 52.7 (H) mm 2.768 (W) × 2.075 (H) in			
	Backlight	White LED	GT02M: 3-color LED (w GT02G: 3-color LED (gr		GT05M: 3-color LED GT05G: 3-color LED		White LED			
	Font types	Fixed (GTWIN): 1/4 width (8 × 8), half width (16 × 8), full width (16 × 16) Characters can be displayed in the 1, 2, 4, or 8 times width or height. TrueType (GTWIN): 10 to 64 dots Windows®: 10 to 64 dots	Fixed (GTWIN): 1/4 widt (16 × 8), full width (16 × 1 Characters can be displa 8 times width or height. TrueType (GTWIN): 10 to	16) yed in the 1, 2, 4, or	Fixed (GTWIN): 1/4 width (8 × 8), half width (16 × 8), full width (16 × 16) Characters can be displayed in the 1, 2, 4, or 8 times width or height. TrueType (GTWIN): 10 to 240 dots, Windows®: 10 to 240 dots					
	Languages	Japanese, English, Simplifi	ied Chinese, Traditiona	al Chinese, Korea	n, German, Italian,	Spanish, French, Tu	rkish, Russian, Vietnamese			
	Graphics	Straight lines, Continuous straigl	ht lines, Squares, Circles, Ovals, Ard		Elliptic arcs, Fan sl	napes, Elliptic fan sh	apes, Beveled squares, Bitmaps			
	Number of screens (Note 6)	80 screens approx.	250 screens	approx.	240 scree	ens approx.	180 screens approx.			
	Screen setting No.		1	No. 0	to 3FF					
Functions	Part functions	Messages, Lamps, Switches, Function switches, Data, Bar graphs, Clocks, Keyboards, Line graphs, Alarm list, Alarm history (Note 7), Custom parts (messages, lamps, switches)								
	Other functions	Recipe, Flow display, Write device, Language switching, GT link, Operation security, Data logging, SD recipe (Note 8)								
	Clock function	Displayed by referencing P		Provided wit	ith a built-in clock. (Can also refer to and display a PLC clock.) (Note 9) sckup battery (AFPX-BATT).					
	Contrast adjustment	Contrast can be adjusted by using the touch panel.	. Unneces	sary		Unnec	essary			
	Buzzer				Inst	alled				
	Automatic communication settings	The communication speed (baud rate) is automatically changed if there is no response from the target equipment.								
	Through function	GT connected between PC and PLC allows PLC to be debugged without a direct connection to a PC.								
	Screen creation	Dedicated software should be used. Applicable OS: Windows® 2000 / XP / Vista / 7 / 8 / 8.1 / 10 (Note 10)								
Touch key re	l		Dedicated software should be used. Applicable OS: Windows 2000 / XP / Vista / 7 / 8 / 8.1 / 10 (Note 10) Free layout (8 dots min.)							
	pperation force	0.8 N or less								
Touch key li	·		1 millio		more (at +25 °C +7	7 °F)				
Todon Rey II	Communication standard	Conforms to RS-232C Conforms to RS-422 / RS-485	Conforms to Conforms to Co				Conforms to DS 232C Conforms to DS 422 / DS 488			
		001101113 to 110 2020 001101113 to 110 422 / 110 400	RS-232C RS-422 / RS-460 RS		85 Conforms to RS-232C Conforms to RS-422 / RS-485 Conforms to RS-232C Conforms to RS-422 / RS-485					
COM. port	External communication conditions		Data bits: 7 or 8 bit	s, Parity: None, C	38,400 bps, 57,600 bps, 115,200 bps Odd, Even, Stop bits: 1 bit					
	Protocol	Our FP series supported, General-purpose se	rial interface supported, Oth	· · · · · · · · · · · · · · · · · · ·	supported (Refer to the "PLC COMPATIBILITY TABLE" on p.23 for manufacturers and models.)					
Connector Connector terminal block (8 pins) Screen Communication standard USB1.1										
data transfer	Protocol			Our dedica	ted protocol					
interface	Connector	USB	Mini-B		USB TYPE-B					
User's	Memory			F-R	ROM					
USCI 5		704 Kbyte		2 M	byte		12 Mbyte			
memory	Сараспу									
memory Memory	Memory				<u>. · </u>	SRAM				

Conformance to the UL / c-UL standards

UL / c-UL file No.	E96300		
UL standard No.	UL508		

Notes: 1) AIG02MQ03D and AIG02GQ02D incorporate ferrite included in our PLC connection cable (AIGT8142).

- s: 1) AIG02MQ03D and AIG02GQ02D incorporate ferrite included in our PLC connection cable (AIGT8142).

 2) This protective structure condition applies to the front surface of the installed panel. This condition does not guarantee usage in all environments provided by users. When reattaching the panel, replace the waterproof packing.

 3) The display has been changed STN LCD to TFT LCD from production in February 2017.

 4) The display has been changed STN LCD to TFT LCD from production in March 2016.

 5) The display has been changed STN LCD to TFT LCD from production in December 2011.

 6) The number of screens that can be registered varies according to the registered contents.

 7) The alarm history function is not supported for the GT02L and GT02 memory backup not support type.

 8) The data logging and SD recipe functions are available with only models equipped with an SD / SDHC memory card slot.

 9) Among GT02 series, available for GT02M2 and GT02G2 only.

 10) The 64-bit version is not supported except for Windows® 7 / 8 / 8.1 / 10. Windows is registered trademark of Microsoft Corporation in the United States and other countries.

	Product name	GT7	703M	G	703G		GT7	704M	GT7	'04G	GT707
Item	Type					24 V, RS-422	24 V, RS-232C				
Applicable r											ons) (Excluding some models)
Power supp		5 V DC	24 V DC	5 V DC		V DC	ne models), ord		/ DC	10110 Negulati	24 V DC
	roltage range		21.6 to 26.4 V DC						6.4 V DC		21.6 to 26.4 V DC
Power cons			2.4 W or less		-				or less		6 W or less
	oly unit isolation method	2 11 01 1000 (11010 1)	2.11.01.000	2 11 01 1000 (11010	./	01 1000	Transform		0.1000		
Ambient ten			Transformer isolation 0 to +50 °C +32 to +122 °F								
Ambient hui	·		20 to 85 % RH (at +25 °C +77 °F) (No dew condensation allowed)								
Storage ten		-20 to +60°C -4 to +140 °F									
Storage hur	midity	10 to 85 % RH (at 25°C +77°F) (No dew condensation allowed)									
Vibration re	sistance	5 to 8.4 Hz, amplitude 3.5 mm 0.138 in, 8.4 to 150 Hz, acceleration 9.8 m/s², 10 sweeps each in X, Y and Z directions (1 octave/min.)									
Shock resis	tance	147 m/s², 3 times in each of the X, Y and Z directions									
Superposed	d noise suppression		1,000 V [P-P] or more, pulse width of 50 ns, 1 µs between power supply terminals (by a noise simulator)								
Environmen	ntal resistance			I	P67 (in th	ne initial	stages) (Note 2	2,3)			IP65 (in the initial stages) (Note 2)
Net weight		180 g approx. 240 g approx.								360 g approx.	
	Display device	TFT monochrome LCD				TFT monochrome LCD			TFT color LCD		
	Resolution	480 (W) × 192 (H) dots			640 (W) × 240 (H) dots			800 (W) × 480 (H) dots			
Display	Display color	2 cc	olors (black / w	hite, 64-gray	scale)		2 c	olors (black / w	hite, 64-gray so	ale)	65,536 colors
	Displayable area	88.5 (W)	× 35.4 (H) mm	3.484 (W) ×	1.394 (H	in	108.8 (W)) × 40.8 (H) mm	1 3.484 (W) × 1	.394 (H) in	153.8 (W) × 85.6 (H) mm 6.055 (W) × 3.370 (H) i
	Backlight	3-color LED (w	vhite / pink / red)	3-color LED (g	green / orai	nge / red)	3-color LED (w	vhite / pink / red)	3-color LED (gre	en / orange / red)	White LED
	Font types			Characters	can be c	lisplaye	(16 × 8), full wid d in the 1, 2, 4, s [®] : 10 to 240 do	8 or 16 times v	vidth or height.		True Type (GTWIN): 10 to 240 dots, Windows®: 10 to 240 dots
	Languages	Jap	anese, English	, Simplified Ch	inese, Tra	aditional	Chinese, Korea	ın, German, Itali	an, Spanish, Fre	ench, Turkish, R	Russian, Vietnamese
	Graphics		Straight	lines, Continu	ous strai	ght lines	s, Squares, Circ	cles, Arcs, Curv	es, Fan shapes	s, Polygons, Fil	I, Bitmaps
	Number of screens (Note 4)		250 scree	ens approx.				250 scree	ns approx.		230 screens approx.
	Screen setting No.			Base scre	ens: No.	0 to 3FF	, Key board sci	reens: No. 0 to	7, Login screer	ns: No. 0 to F	
	Part functions		L	amps, Switch	es, Data	Bar gra	aphs, Clocks, K	eyboards, Line	graphs, Alarm	list, Alarm histo	· · · · · · · · · · · · · · · · · · ·
Functions	Other functions	Recipe, Flow display, Write device, Multiple PLC connection, FP monitor, Multi language exchange, GT link, Operation security, Data logging, SD recipe						Recipe, Flow display, Write device, Multi language exchange, Operation security, Data logging, SD recipe			
	Clock function	Provided with a built-in clock. (Can also refer to and display a PLC clock.) * Buy the backup battery [AFPX-BATT(GT707: AFPABAT001)].									
	Backlight brightness adjustment	Can be set on the menu screen, via the GT configuration screen of GTWIN , or via PLC. (There are some minor variations in the backlight brightness.)									
	Contrast adjustment						Unnec	cessary			
	Buzzer		Installed								
	Automatic communication settings		The commi	unication spec	ed (baud	rate) is	automatically cl	hanged if there	is no response	from the targe	t equipment.
	Through function	GT connected between PC and PLC allows PLC to be debugged without a direct connection to a PC.									
	Screen creation			Dedicated sof	tware sho	ould be	used. Applicabl	e OS: Windows	s [®] Vista / 7 / 8 /	8.1 / 10 (Note	5)
Touch key r	esolution						1	(8 dots min.)			
Touch key operation force		0.8 N or less									
Touch key li	ife	1 million operations or more (at +25 °C +77 °F)									
	Communication standard	Conforms to RS-232C Conforms to RS-422 / RS-485	Conforms to RS-232C Conforms to RS-422 / RS-485	Conforms to RS-232C Conforms RS-422 / RS-485	Conforms to RS-232C	Conforms to RS-422 / RS-485	Conforms to RS-232C	Conforms to RS-422 / RS-485	Conforms to RS-232C	Conforms to RS-422 / RS-485	Conforms to RS-232C
	External communication conditions		Baud rate: 9,600 bps, 19,200 bps, 38,400 bps, 57,600 bps, 115,200 bps								
COM. port	Protocol	Our FP series supported, General-purpose serial interface supported, Modbus RTU mode protocol (Master / Slave) supported and Other companies' PLC supported (Refer to the "PLC COMPATIBILITY TABLE" on p.23 for manufacturers and models.)							Our FP series supported, General-purpose serial interface supported, and Other companies PLC supported (Refer to the "PLC COMPATIBILITY TABLE" on p.23 for manufacturers and models.)		
	Connector	Connector terminal block (8 pins)						D-SUB connector (9 pins)			
Ethernet	Interface				100E	BASE-T	X / 10BASE-T				
	Baud rate	100Mbps/10Mbps automatic negotiation (Note 6)									
	Protocol Connector	Our dedicated protocol Our FP series supported, Modbus-TCP supported and Other companies' PLC supported (Mitsubishi Electric MC protocol) Plug-in phone jack (RJ-45)									
Screen	Communication standard										
data	Protocol										
transfer interface	Connector	USB Mini-B									
	Memory	USB MINI-B F-ROM									
User's memory	Capacity	16 Mbyte						76 Mbyte			
Memory	Memory							RAM			1
backup	Backup battery										
		L									

Conformance to the UL / c-UL standards

ĺ	UL / c-UL file No.	E96300		
ĺ	UL standard No.	UL508		

- Notes: 1) Power cannot be supplied from TOOL port of PLC (CPU unit).

 2) This protective structure condition applies to the front surface of the installed panel. This condition does not guarantee usage in all environments provided by users.

 3) When reattaching the panel, replace the waterproof packing.

 4) The number of screens that can be registered varies according to the registered contents.

 5) The 64-bit version is not supported except for Windows® 7 / 8 / 8.1 / 10. Windows is registered trademark or trademark of Microsoft Comparison in the United Safes and other countries.

 6) Switching between time real speeds as other external cally by auto negotiation function.

GTseries | SPECIFICATIONS

	Due di cet in aire e	0740	OT20M D	CT20T B				
Itom	Product name	GT12 RS-232C RS-422 / RS-485	GT32M-R RS-232C RS-422 / RS-485	GT32T-R RS-232C RS-422 / RS-485				
Applicable	Type							
Power supp		CE Marking (EMC Directive, RoHS Directive) (Excluding some models), UKCA Marking (EMC Regulations, RoHS Regulations) (Excluding some models) 24 V DC						
	voltage range		21.6 to 26.4 V DC					
Power cons		1.7 W or less	4.8 W or less	7.2 W or less				
	oly unit isolation method		Transformer isolation	1.2 11 31 130				
Ambient ter	*	0 to +50 °C +32 to +122 °F						
Ambient hu		20 to 85 % RH (at +25 °C +77 °F), (No dew condensation allowed)						
Storage ten		-20 to +60 °C -4 to +140 °F						
Storage hu	·	10 to 85 % RH (at +25 °C +77 °F), (No dew condensation allowed)						
Vibration re		5 to 9 Hz, amplitude 3.5 mm 0.138 in, 9 to 150 Hz, acceleration 9.8 m/s², 10 sweeps each in X, Y and Z directions (1 octave/min.) 5 to 8 Hz, amplitude 3.5 mm 0.138 in, 8.4 to 150 Hz, acceleration 9.8 m/s², 10 sweeps each in X, Y and Z directions (1 octave/min.)						
Shock resis	stance	2 directions (1 octave/min.) 147 m/s², 3 times in each of the X, Y and Z directions						
Superpose	d noise suppression	1,000 V [P-P] or more, pulse width of 50 ns, 1 µs between power supply terminals (by a noise simulator)						
Environmer	ntal resistance	IP67 (in the initial stages) (Note 1)	IP67 (in the initial stages), Dust-proof and drip-proof from the front of the panel only (Rubber packing is attached to the panel contact surface.) (Note 1)					
Net weight		240 g approx.	240 g approx. 470 g approx.					
	Display device	TFT monochrome LCD (Note 2)	TFT monochrome LCD	TFT color LCD				
	Resolution	320 (W) × 120 (H) dots	320 (W) × 2	240 (H) dots				
B: 1	Display color	2 colors (black / white, 8-gray scale)	2 colors (black / white, 16-gray scale)	4,096 colors				
Display	Displayable area	108.8 (W) × 40.8 (H) mm 4.283 (W) × 1.606 (H) in	115.2 (W) × 86.4 (H) mm	4.535 (W) × 3.402 (H) in				
	Backlight	GT12M: 3-color LED (white / pink / red) GT12G: 3-color LED (green / orange / red)	White LED					
	Font types	Fixed (GTWIN): 1/4 width (8 × 8), half width (16 × 8), full width (16 × 16) Characters can be displayed in the 1, 2, 4, or 8 times width or height. True Type (GTWIN): 10 to 120 dots	Fixed (GTWIN): 1/4 width (8 × 8), half width (16 × 8), full width (16 × 16), Characters can be displayed in the 1, 2, 4, or 8 times width or height. True Type (GTWIN): 10 to 240 dots, Windows [®] : 10 to 240 dots					
	Languages	Japanese, English, Simplified Chinese, Traditional Chinese, Korean, German, Italian, Spanish, French, Turkish, Russian, Vietnamese						
	Graphics	Straight lines, Continuous straight lines, Squares, Circles, Ovals, Arcs, Elliptic arcs, Fan shapes, Elliptic fan shapes, Beveled squares, Bitr						
	Number of screens (Note 3)	2-gray scale: 250 screens approx. 8-gray scale: 200 screens approx.	180 screens approx.					
	Screen setting No.	No. 0 to 3FF	No. 0 to 3FF Base screens: No. 0 to 3FF, Key board screens: No. 0 to 7, Login screens: No. 0 to F					
Functions	Part functions	Messages, Lamps, Switches, Function switches, Data, Bar graphs, Clocks, Keyboards, Line graphs, Alarm list, Alarm history, Custom parts (messages, lamps, switch						
	Other functions	Recipe, Flow display, Write device, Multiple PLC connection, FP monitor, Language switching, GT link, Operation security, Data logging, SD recipe (Note 4)						
	Clock function	Provided with a built-in clock. (Can also refer to and display a PLC clock.) *Buy the backup battery (AFPX-BATT).						
	Contrast adjustment		Unnecessary					
	Buzzer	Installed						
	Automatic communication settings	The communication speed (bau	d rate) is automatically changed if there is no response	onse from the target equipment.				
	Through function	GT connected between a PC and PLC allows the PLC to be debugged without a direct connection with the PC.						
	Screen creation	Dedicated software should be used. Applicable OS: Windows® 2000 / XP / Vista / 7 / 8 / 8.1 / 10 (Note 5)						
Touch key r	resolution	Free layout (8 dots min.)						
Touch key	operation force	0.8 N or less						
Touch key I	life	1 million operations or more (at +25 °C +77 °F)						
	Communication standard	Conforms to RS-232C Conforms to RS-422 / RS-485 Conforms to RS						
COM. port	External communication conditions	Baud rate: 9,600 bps, 19,200 bps, 38,400 bps, 57,600 bps, 115,200 bps Data bits: 7 or 8 bits, Parity: None, Odd, Even, Stop bits: 1 bit						
	Protocol	Our FP series supported, General-purpose serial interface supported	MPATIBILITY TABLE" on p.23 for manufacturers and models.)					
	Connector		Connector terminal block (8 pins)					
Screen	Communication standard		USB1.1					
data transfer interface	Protocol		Our dedicated protocol					
	Connector	USB Mini-B	USB TYPE-B					
User's	Memory		F-ROM					
memory	Capacity	2 Mbyte	12 N	Nbyte				
Memory	Memory							
backup	Backup battery	Lithium batt	ery (replaceable) AFPX-BATT (Does not include w	ith product.)				

UL / c-UL file No.	E96300		
UL standard No.	UL508		

- Conformance to the UL / c-UL standards

 UL / c-UL file No.

 UL standard No.

 UL 508

 Notes: 1) This protective structure condition applies to the front surface of the installed panel. This condition does not guarantee usage in all environments provided by users. When reattaching the panel, replace the waterproof packing.

 2) The display has been changed STN LCD to TFT LCD from production in November 2016.

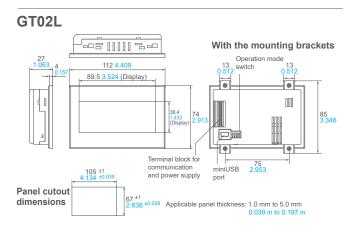
 3) The number of screens that can be registered varies according to the registered contents.

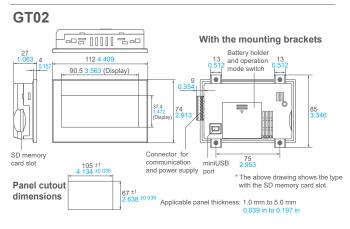
 4) The data logging and SD recipe functions are available with only models equipped with an SD / SDHC memory card slot.

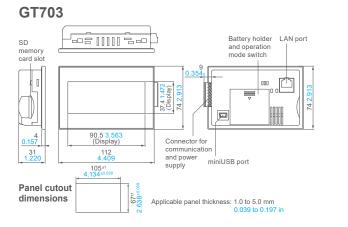
 5) The 64-bit version is not supported except for Windows® 7 / 8 / 8.1 / 10. Windows is registered trademark of Microsoft Corporation in the United States and other countries.

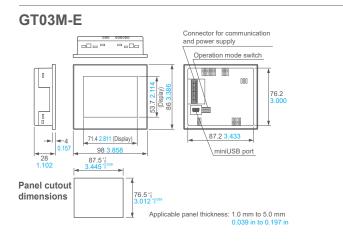
GTseries | DIMENSIONS (Unit: mm in)

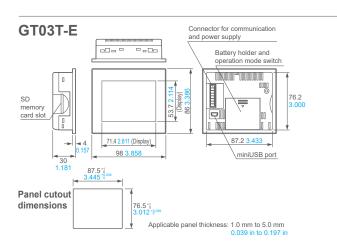
The CAD data can be downloaded from our website.

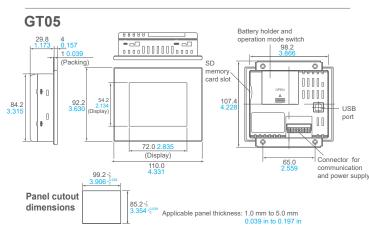


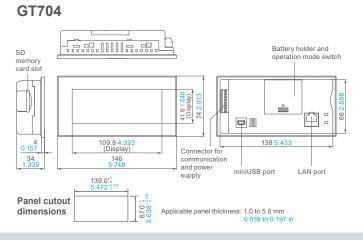


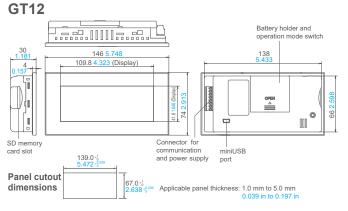






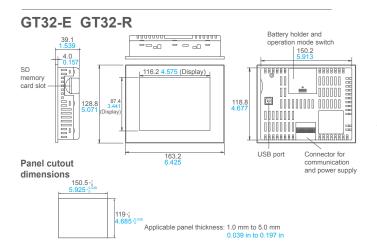


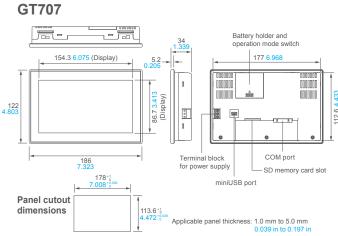




800-328-6236

GTseries | DIMENSIONS (Unit: mm in)







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