

### **Graphic Operation Terminal**

GOT2000 - Designed to meet your industrial automation needs.

GT27Model



multi-touch gesture functions

GT25Model

High performance, cost efficient,

GT23Model

Unchallenged cost performance



Compact models with basic functions









### Comparison table for major functions of GT21

Cat	egory		Function name	GT21	GT10
		Figure		•	•
		Logo text			•
		Touch switch			•
		Lamp		•	•
		Numerical disp	olay, Numerical input		
		Text display, T	ext input	•	•
		Date display,	Time display		
		Comment disp	olay		
		Parts display		*2	•
		Parts moveme	ent	*2	_
Figu	re/object	Historical data	list display	*2	_
func	tions	Simple alarm	display		
ign		Alarm display	(user)	*2	*3
Screen design		Level			_
eeu		Panel meter			
Sci		Line graph			
		Trend graph			
		Bar graph			
		Statistics bar	graph		
		Statistics pie	graph		
		Scatter graph			_
		Historical tren	d graph	*2	_
		Logging		*1	_
		Recipe		*2	*4
F	ctions	Device data tr	ansfer		_
perf	ormed in	Trigger action			
back	ground of	Time action			
doi		Hard copy	File output	*1	_
		Папа сору	Serial printer output		

			NEW	
	Category	Function name	GT21	GT10
5 =	Functions used	Barcode function	•	
Screen	with peripheral	RFID function		_
υp	devices	Report function (Serial printer output)		_
		Base screen		
		Overlap window		
		Superimpose window		•
		Dialog window		_
		Key window		•
		Language switching		
_	OT functions	System information		•
G	OTTUNCTIONS	Operator authentication	★2	_
		Startup logo		•
		FA transparent	•	•
		Backup/Restore	<b>●</b> *1	_
		Multi-channel function	2ch	_
		Station No. switching		_
	Vertical display		•	
De	ebug functions	Device monitor		•
¥1. The	senarately sold SD car	d unit (GT21-03SDCD) and SD card are required		

- \*\*I The separately sold SD card unit (G121-03SDCD) and SD card are required.

  \*\*E: The separately sold SD card unit (G121-03SDCD) and SD card may be required depending on usage.

  \*\*A: Advanced alarms are not supported.

  \*\*A: Advanced recipes are not supported.
- Refer to each manual for the details of these and other functions.

# **Graphic Operation Terminal**

■Power supply specifications

Item		Specifications			
	item	GT2103-PMBD	GT2103-PMBDS		
Input power su	ipply voltage	24V DC (+10%, -15%)			
Power	Under the maximum load	2.6 W or less	1.9 W or less		
consumption	At backlight off	2.0 W	1.3 W		
Inrush current		30 A or less (1 ms, 25°C, at the maximum load)			
Permissible instantaneous power failure time		Within 5 ms			

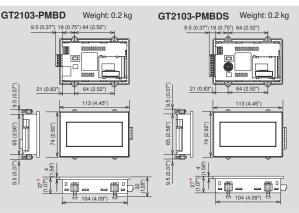
### ■Performance specifications

	D	Specifications				
	Item	GT2103-PMBD	GT2103-PMBDS			
	Display device	TFT monochrome display				
	Screen size	3.8"				
	Resolution	320 × 128 dots				
	Display size	89.0 (3.51) (W) × 35.6 (1.41) (H) mm (inch)				
D'a ala	Displayed number of	16-dot standard font: 20 characters × 8 lines (two-byte characters)				
Display section	characters	12-dot standard font: 26 characters × 10 lines (two-byte characters)				
	Display color	Monochrome (black and white) 32 scales				
	Brightness Adjustment	32 levels				
	Backlight	5 colors LED (white, green, pink, orange and red) (Not replaceable)				
	Backlight life	Approx. 50000 h (operating ambient temperature: 25°C, display intensity: 50%)				
	Туре	Analog resistive film				
Touch	Key size	Minimum 2 x 2 dots (per a key)				
panel	Simultaneous press	Simultaneous press prohibited (only 1 point can be pressed)				
	Life	1 million times or more (Operating force: 0.98 N or less)				
User	User memory capacity	Memory for storage (ROM): 3 MB				
memory	Life (number of write times)	100000 times				
Built-in interface	RS-232 (rear face)	_	1 channel Transmission speed: 115200/57600/38400/ 19200/9600/4800 bps Connector shape: MINI-DIN6-pin (female)			
	RS-422/485	1 channel Transmission speed: 115200/57600/38400/ 19200/9600/4800 bps Connector shape: terminal block 5-pin	1 channel Transmission speed: 115200/57600/38400/ 19200/9600/4800 bps Connector shape: terminal block 9-pii			
	Ethernet	1 channel Data transfer method: 10BASE-T/100BASE-TX Connector shape: RJ-45 (modular jack)	_			
	USB (Device)	1 ch				
	OOD (Device)	Maximum transfer rate: Full-Speed 12 Mbps Connector shape: USB Mini-B				
	SD card*1	1 channel SDHC card supported (max. 32 GB)				
Buzzer o		Single tone (tone length adjustable)				
Protective	e structure	Outside the enclosure: IP67F Inside the	e enclosure: IP2X			
Compatib	ole software package	GT Works3 Version 1.112S or later				

<sup>\*1;</sup> It is necessary to mount the separately sold SD card unit (GT21-03SDCD

### ■External dimensions

HIME-L078-A1410(MEE)Printed in Japan



	Heler to	the connection	manual for the deta	tils of connectable models.
-	[Panel cut dimer   105 (4.14*	) +1 (0.04°) -0 (0°)	[Option] GT21-03SDCI	Unit: mm (inch)
J.	13 (0.51°) 66 0r more		32 (1.26) when the	<del></del>

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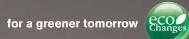
### ■ Product specifications

Product name	Model name	Contents, Specifications	20.400/405		
Main unit	GT2103-PMBD	(5.00.00.00.00.00.00.00.00.00.00.00.00.00	RS-422/485	=	
	GT2103-PMBDS		S-422/485		
Protective sheet	GT21-03PSGC-UC	Surface treatment: anti-glare, Sheet color: transparent, USB en protection cover area: closed, Number of sheets included in a s			
TOCOLIVE SHOOL	GT21-03PSCC-UC	Surface treatment: clear, Sheet color: transparent, USB environmental protection cover area: closed, Number of sheets included in a set: 5			
RS-422 conversion	FA-CNV2402CBL	GT10-CDR4-25P, GT21-CDR4-25P5)		0.2m	
cable	FA-CNV2405CBL			0.5m	
	GT10-C30R4-25P	Between QnA/ACPU/motion controller CPU (A series)/FXCPU		3m	
	GT10-C100R4-25P	Between serial communication module and GOT		10m	
	GT10-C200R4-25P			20m	
	GT10-C300R4-25P	Between periprieral connection module (AJ6561-G4-53) and GO1			
	GT10-C10R4-8P	[Detries   Detail of the control of	(O p.i.)	30m 1m	
	GT10-C30R4-8P			3m	
	GT10-C30R4-8P	Between FXCPU and GOT Between FXCPU communication expansion board and GOT	-	10m	
RS-422 cable	GT10-C200R4-8P	Between MINI-DIN 8-pin and loose wire (connector terminal bl	ock 9-pin)1	20m	
Dedicated to the	GT10-C200R4-8P			30m	
serial type]	G110-C300H4-8P	Between FXCPU and GOT		30111	
	GT10-C10R4-8PL*2	Between FXCPU and GOT  Between FXCPU communication expansion board and GOT  [Between MINI-DIN 8-pin and loose wire (connector terminal bl	ock 9-pin)]	1m	
	GT10-C10R4-8PC			1m	
	GT10-C30R4-8PC	Between FXCPU and GOT	ŀ	3m	
	GT10-C100R4-8PC	Between FXCPU communication expansion board and GOT	ŀ	10m	
	GT10-C200R4-8PC	[Between MINI-DIN 8-pin and loose wire (connector terminal bit	ock 9-pin)]	20m	
	GT10-C300R4-8PC			30m	
	GT21-C30R4-25P5*1	Between QnACPU and GOT		3m	
	GT21-C100R4-25P5*1	Between RS-422 conversion cable (FA-CNVDCBL) and GOT	ŀ	10m	
		Between serial communication module and GOT	-	-	
	GT21-C200R4-25P5*1	Between peripheral connection module (AJ65BT-G4-S3) and (		20m	
RS-422 cable	GT21-C300R4-25P5*1	[Between D-sub 25-pin and loose wire (connector terminal block)	k 5-pin)]	30m 1m	
[Dedicated to the Ethernet type]	GT21-C10R4-8P5	_			
Linernertype	GT21-C30R4-8P5	<b></b>		3m	
	GT21-C100R4-8P5			10m	
	GT21-C200R4-8P5	[between wind-bird 8-pin and loose wire (connector terminal bird)	ock 5-piii)j	20m	
	GT21-C300R4-8P5			30m	
RS-422 connector conversion cable	GT10-C02H-9SC	Between PLC and GOT [Convert D-sub 9-pin to loose wire (connector terminal block 9-	pin)]	0.2m	
RS-232 cable [Dedicated to the serial type]	GT01-C30R2-6P	Between C/LCPU and GOT*s Between L6ADP-R2 and GOT*s Between GOT and personal computer (Can be used for the FA transparent function only. Cannot be u screen/CS data transfer.) [Between MINI-DIN 6-pin and D-sub 9-pin]	sed for the	3m	
RS-232 connector conversion cable	GT10-C02H-6PT9P	Between PLC and GOT Between multiple connection GOT and GOT Between barcode reader, RFID, serial printer and GOT [Convert D-sub 9-pin to MINI-DIN 6-pin]		0.2m	
USB cable	GT09-C30USB-5P	Between personal computer (screen design software) and GO [Between USB-A and USB Mini-B]	Г	3m	
Panel-mounted USB Port Extension	GT10-C10EXUSB-5S	For extending a USB port of GOT into the control panel.		1m	
Serial multi-drop connection unit	GT01-RS4-M	For GOT multi-drop connection			
SD card unit	GT21-03SDCD	For SD card mounting			
CD and	L1MEM-2GBSD	2GB SD memory card for GOT			
SD card	L1MEM-4GBSD	4GB SDHC memory card for GOT			
Protective cover for oil	GT10-20PCO	For 3.8"		$\neg \neg$	
Manual	SH-081194ENG	GOT2000 Series User's Manual (Hardware)			

1: GT2103-PMBD does not support direct connection to Q00JCPU, Q00CPU, or Q01CPU.
connection to Q00JCPU, Q00CPU, or Q01CPU.
connection be used for FXinc, FXznc,
FXsuc-D/DSS, or FX3s.
This cable can be used if connected with the

RS-232 connector conversion cable GT10-C02H-6PT9P.

MITSUBISHI ELECTRIC Changes for the Better



**Graphic Operation Terminal** GOT2000

GT2103-PMBD GT2103-PMBDS





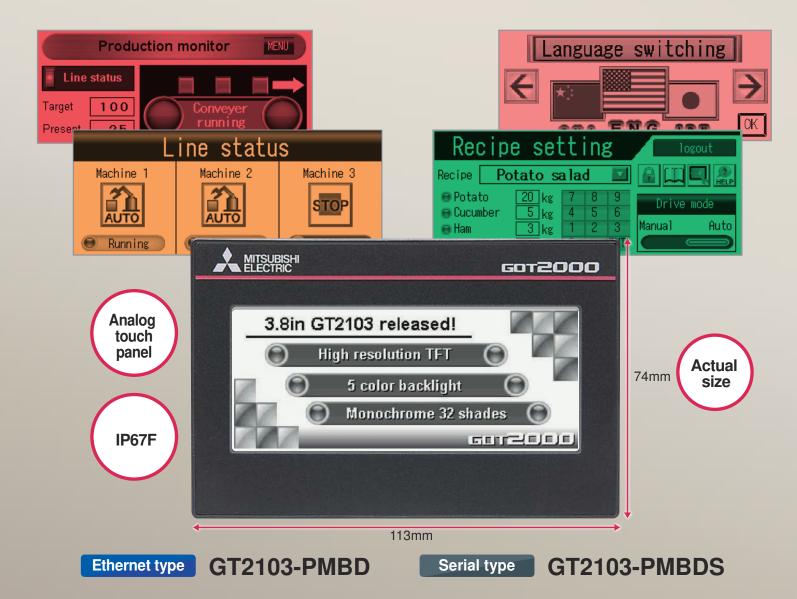
Small screen, big possibilities.

5-color backlight

High resolution

New publication, effective Oct. 2014 Specifications subject to change without notice.

# Easily operated, high resolution display in a compact body!



5-color backlight

Monochrome **TFT LCD** 

Ethernet\* built in

4 times higher resolution\*  $320 \times 128 \text{ dots}$ 

Screen color can be changed according to the machine operation state!

Backlight color can be controlled from the connected PLC!

Ethernet built into a compact body!

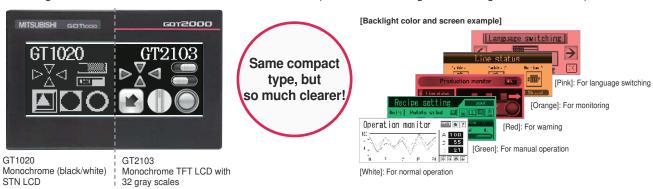
Easy to see, high resolution compact LCD!

# High-definition LCD with changeable color backlight

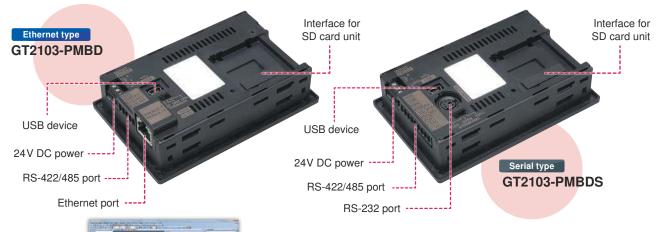
GT2103 is equipped with an easy to see, compact high-resolution TFT LCD with 32 gray scales.

The intuitively understandable 5-color backlight offers choices of backlight color and backlight blink according to machine operation state.

The backlight can also be controlled from the connected PLC (screen color change and backlight ON/OFF/ blink).



# Enhanced functionality with various connection ports



GOT Screen Design Software MELSOFT GT Works3+plus

Use GT Works3 Ver. 1.112S or later for creating screens for the GT21 model.

Intuitive operations improve efficiency!

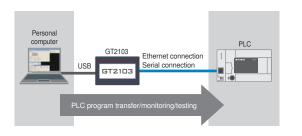
Easy replacement of GT1020 with GT2103!

⚠ Note: System application installation required for GT2103 series

FA transparent function

### Remotely access PLC via GOT!

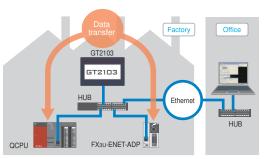
Connect PC to GOT and set up, program, and modify FA devices via



# Ethernet for **Multi-channel function**

### Control connected FA devices with GT2103!

Control 2 channels of FA devices with just 1 GOT. Data can also be transferred between connected FA devices with settings in GOT software GT Works3. Serial connection is also supported.



# SD card unit is available! **Option** SD cards can be used when the optional SD card unit is attached. SD card unit **GT21-03SDCD**

