

## Technical Specifications – GT2103

### ■ Power supply specifications

(The general specifications are same as those of the GOT2000 Series. Refer to the GOT2000 Series General Catalog.)

Item	Specifications	
	GT2103-PMBD	GT2103-PMBDS
Input power supply voltage	24V DC (+10%, -15%)	
Power consumption	Under the maximum load	2.6 W or less
	At backlight off	2.0 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

Item	Specifications		
	GT2103-PMBD	GT2103-PMBDS	
Display section	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)	
	Displayed number of characters	16-dot standard font: 20 characters × 8 lines (two-byte 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%)		
Touch panel	Type	Analog resistive film	
	Key size	Minimum 2 × 2 dots (per a key)	
	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 memory	User memory capacity	Memory for storage (ROM): 3 MB	
	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-pin
	Ethernet	1 channel Data transfer method: 10BASE-T/100BASE-TX Connector shape: RJ-45 (modular jack)	—
	USB (Device)	1 ch	
		Maximum transfer rate: Full-Speed 12 Mbps Connector shape: USB Mini-B	
SD card**1	1 channel SDHC card supported (max. 32 GB)		
Buzzer output	Single tone (tone length adjustable)		
Protective structure	Outside the enclosure: IP67F Inside the enclosure: IP2X		
Compatible software package	GT Works3 Version 1.112S or later		

\*1: It is necessary to mount the separately sold SD card unit (GT21-03SDCD).

# General Specifications – GT2103

## ■ Product specifications

Product name	Model name	Contents, Specifications		
Main unit	GT2103-PMBD	3.8" TFT Monochrome LCD (black/white) 32 gray scales	Ethernet, RS-422/485	
	GT2103-PMBDS		RS-232, RS-422/485	
Protective sheet	GT21-03PSGC-UC	Surface treatment: anti-glare, Sheet color: transparent, USB environmental protection cover area: closed, Number of sheets included in a set: 5		
	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 cable	FA-CNV2402CBL	Between QCPU/L02SCPU(-P) and RS-422 cable (GT01-CDR4-25P, GT10-CDR4-25P, GT21-CDR4-25P5)	0.2m	
	FA-CNV2405CBL	Between L6ADP-R2 and RS-422 cable (GT01-CDR4-25P, GT10-CDR4-25P, GT21-CDR4-25P5) [MINI-DIN6 pin and D-sub 25-pin]	0.5m	
RS-422 cable [Dedicated to the serial type]	GT10-C30R4-25P	Between QnA/ACPU/motion controller CPU (A series)/FXCPU and GOT	3m	
	GT10-C100R4-25P	Between RS-422 conversion cable (FA-CNVDCBL) and GOT	10m	
	GT10-C200R4-25P	Between serial communication module and GOT	20m	
	GT10-C300R4-25P	Between peripheral connection module (AJ65BT-G4-S3) and GOT [Between D-sub 25-pin and loose wire (connector terminal block 9-pin)]	30m	
	GT10-C10R4-8P	Between FXCPU and GOT Between FXCPU communication expansion board and GOT [Between MINI-DIN 8-pin and loose wire (connector terminal block 9-pin)]	1m	
	GT10-C30R4-8P		3m	
	GT10-C100R4-8P		10m	
	GT10-C200R4-8P		20m	
	GT10-C300R4-8P		30m	
	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 block 9-pin)]	1m
	GT10-C10R4-8PC		1m	
	GT10-C30R4-8PC		3m	
	RS-422 cable [Dedicated to the Ethernet type]	GT21-C30R4-25P5*1	Between QnACPU and GOT	3m
		GT21-C100R4-25P5*1	Between RS-422 conversion cable (FA-CNVDCBL) and GOT	10m
GT21-C200R4-25P5*1		Between serial communication module and GOT	20m	
GT21-C300R4-25P5*1		Between peripheral connection module (AJ65BT-G4-S3) and GOT [Between D-sub 25-pin and loose wire (connector terminal block 5-pin)]	30m	
GT21-C10R4-8P5		Between FXCPU and GOT Between FXCPU communication expansion board and GOT [Between MINI-DIN 8-pin and loose wire (connector terminal block 5-pin)]	1m	
GT21-C30R4-8P5			3m	
GT21-C100R4-8P5			10m	
GT21-C200R4-8P5			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 Q/LCPU and GOT*3 Between L6ADP-R2 and GOT*3 Between GOT and personal computer (Can be used for the FA transparent function only. Cannot be used for the screen/OS data transfer.) [Between MINI-DIN 6-pin and D-sub 9-pin]	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 GOT [Between USB-A and USB Mini-B]	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		
SD card	L1MEM-2GBSD	2GB SD memory card for GOT		
	L1MEM-4GBSD	4GB SDHC memory card for GOT		
Protective cover for oil	GT10-20PCO	For 3.8"		
Manual	SH-081194ENG	GOT2000 Series User's Manual (Hardware)		

# Dimensions & cut-out details – GT2103

## External dimensions

