

Small yet easy to see
TFT 65536 colors + **Resolution W480 × H272 dots**

Vividly displays information on a small screen, including lifelike meters, graphs, and parts!

Program using GT Works3 Version 1.130L or later.

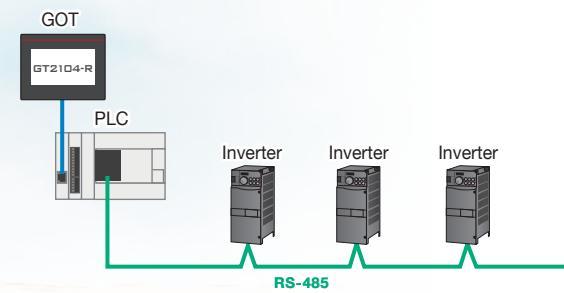
Clearly display meters and graphs

Vividly display lifelike parts

Create your own screens with
GOT Screen Design Software
MELSOFT GT Works3+plus

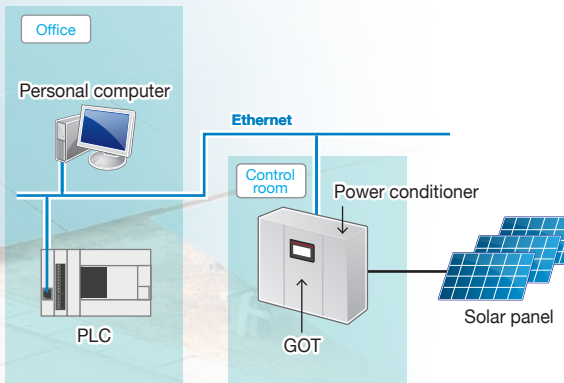
System configuration example

Control panel for medical care and nursing facilities



Compact body is easy to install and high resolution screen provides comfortable and easy to understand operation.

Control panel for solar power generation



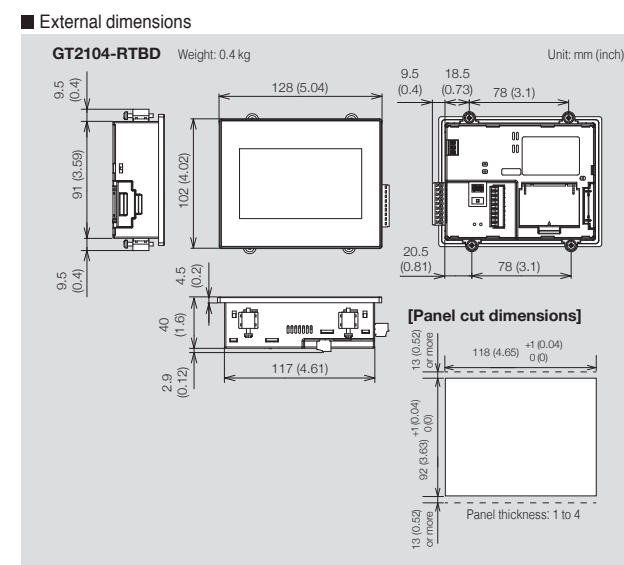
Confirm operation, generation, and consumption in a single glance with better display and expanded microcomputer connection. Collect data and display in a graph or transfer the data to a higher level controller.

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

Item	Specifications
Power supply voltage	24 V DC (+10%, -15%)
Power consumption	Under the maximum load 4.4 W or less
Backlight OFF	2.9 W
Inrush current	18 A or less (2 ms, 25°C, at the maximum load)
Permissible instantaneous power failure time	5 ms or less

■ Performance specifications

Item	Specifications
Display device	TFT color LCD
Screen size	4.3 inch widescreen
Resolution	480 × 272 dots
Display size	95.0 (3.74) (W) × 53.8 (2.12) (H) mm (inch)
Displayed number of characters	16-dot standard font: 30 characters × 17 lines (two-byte characters) / 12-dot standard font: 40 characters × 22 lines (two-byte characters)
Display color	65536 colors
Brightness Adjustment	32 levels
Backlight	LED (Not replaceable)
Backlight life	Approx. 50000 h (operating ambient temperature: 25 °C, display intensity: 50%)
Type	Analog resistive film
Key size	Minimum 2 × 2 dots (per 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 capacity	Memory for storage (ROM): 9 MB
Life (number of write times)	100000 times
Battery	GT11-50BAT lithium battery
Life	Approx. 5 years (Ambient temperature: 25 °C)
RS-232	1 channel Transmission speed: 115200/57600/38400/19200/9600/4800 bps Connector shape: terminal block 9-pin
RS-422/485	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 channel Maximum transfer rate: Full-Speed 12 Mbps Connector shape: USB Mini-B
SD card	1 channel SDHC card supported (max. 32 GB)
Buzzer output	Single tone (Tone length adjustable)
Protective structure	Front: IP67F In control panel: IP2X
Compatible software package	GT Works3 Ver. 1.130L or later



▲ Safety Warning
To ensure proper use of the products in this document, please be sure to read the instruction manual prior to use.

■ Product specifications

Product name	Model name	Contents, Specifications
Main unit	GT2104-RTBD	4.3 inch widescreen, TFT 65536 colors, Ethernet, RS-422/485, RS-232
Protective sheet	GT21-04RPSCG-UC	Surface treatment: anti-glare, Sheet color: transparent, USB environmental protection cover area: closed, Number of sheets included in a set: 5
	GT21-04RPSCC-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/L2SCPU (P) and RS-422 cable (GT10-C10R4-25P, GT10-C10R4-25P)
	FA-CNV2405CBL	Between L6ADP-R2 and RS-422 cable (GT10-C10R4-25P, GT10-C10R4-25P) [MINI-DIN6 pin and D-sub 25-pin]
OnA/A/FXCPU direct connection cable	GT10-C30R4-25P*	Between OnA/ACPU/Umotion controller CPU (A series)/FXCPU and GOT
	GT10-C10R4-25P*	Between RS-422 conversion cable (FA-CNV103B) and GOT
	GT10-C30R4-25P*	Between serial communication module and GOT
	GT10-C30R4-25P*	Between peripheral connection module (AJ65BT-G4-S3) and GOT
Computer link connection cable	GT10-C30R4-25P*	Between OnA/ACPU/Umotion controller CPU (A series)/FXCPU and GOT
	GT10-C10R4-25P*	Between RS-422 conversion cable (FA-CNV103B) and GOT
	GT10-C20R4-25P*	Between serial communication module and GOT
	GT10-C30R4-25P*	Between peripheral connection module (AJ65BT-G4-S3) and GOT
Computer link connection cable	GT10-C30R4-6C*	Between serial communication module and GOT
	GT10-C10R4-6C*	Between computer link module and GOT
	GT10-C20R4-6C*	Between loose wire and D-sub 9-pin
	GT10-C30R4-6C*	Between loose wire and D-sub 9-pin
FXCPU direct connection cable	GT10-C10R4-8P*	Between FXCPU and GOT
	GT10-C30R4-8P*	Between FXCPU communication expansion board and GOT
	GT10-C10R4-8P*	Between FXCPU communication expansion board and GOT
	GT10-C20R4-8P*	Between MINI-DIN 8-pin and D-sub 9-pin
FXCPU communication expansion board connection cable	GT10-C10R4-8P*	Between FXCPU and GOT
	GT10-C30R4-8P*	Between FXCPU communication expansion board and GOT
	GT10-C10R4-8P*	Between FXCPU communication expansion board and GOT
	GT10-C20R4-8P*	Between MINI-DIN 8-pin and D-sub 9-pin
USB cable	GT10-C10R4-8PC	Between FXCPU and GOT
	GT10-C30R4-8PC	Between FXCPU communication expansion board and GOT
	GT10-C10R4-8PC	Between FXCPU communication expansion board and GOT
	GT10-C20R4-8PC	Between MINI-DIN 8-pin and D-sub 9-pin
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))
	GT10-C30R2-6P	Between Q/LCPU direct connection cable and GOT (Between MINI-DIN 6-pin and loose wire (connector terminal block 9-pin))
Panel-mounted USB Port Extension	GT10-C10EXUSB-SS	For extending a USB port of GOT into the control panel.
	GT10-RS4-M	For GOT multi-drop connection
Serial multi-drop connection unit	NZ1MEM-2GBSD	2 GB SD memory card for GOT
	NZ1MEM-4GBSD	4 GB SDHC memory card for GOT
SD card	NZ1MEM-8GBSD	8 GB SDHC memory card for GOT
	NZ1MEM-16GBSD	16 GB SDHC memory card for GOT
Manual	SH-081194ENG	GOT2000 Series User's Manual (Hardware)

Refer to the connection manual for the details of connectable models.
* This cable can be used if connected with the RS-422 connector conversion cable GT10-C02H-9SC.

Registration
• Ethernet is a registered trademark of Xerox Corporation in the United States.
• MODBUS is a registered trademark of Schneider Electric SA.
• The SD and SDHC logos are trademarks or registered trademarks of SD-3C, LLC.
• All other company names and product names used in this document are trademarks or registered trademarks of their respective companies.

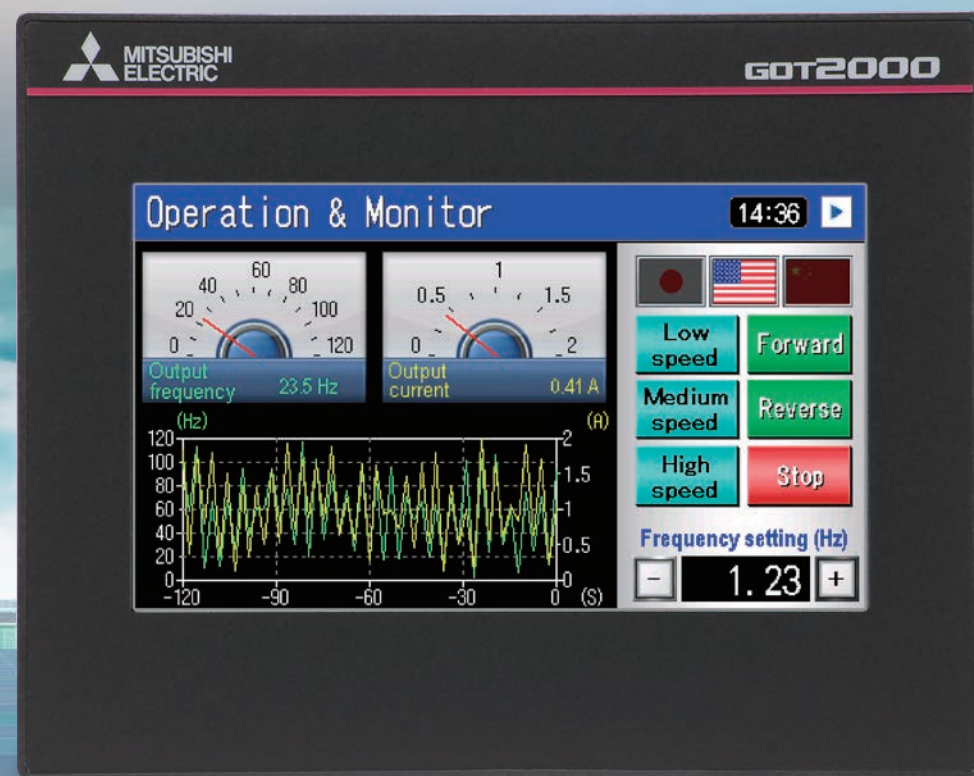


Compact model with exciting possibilities

GOT2000
Graphic Operation Terminal

GT2104-RTBD

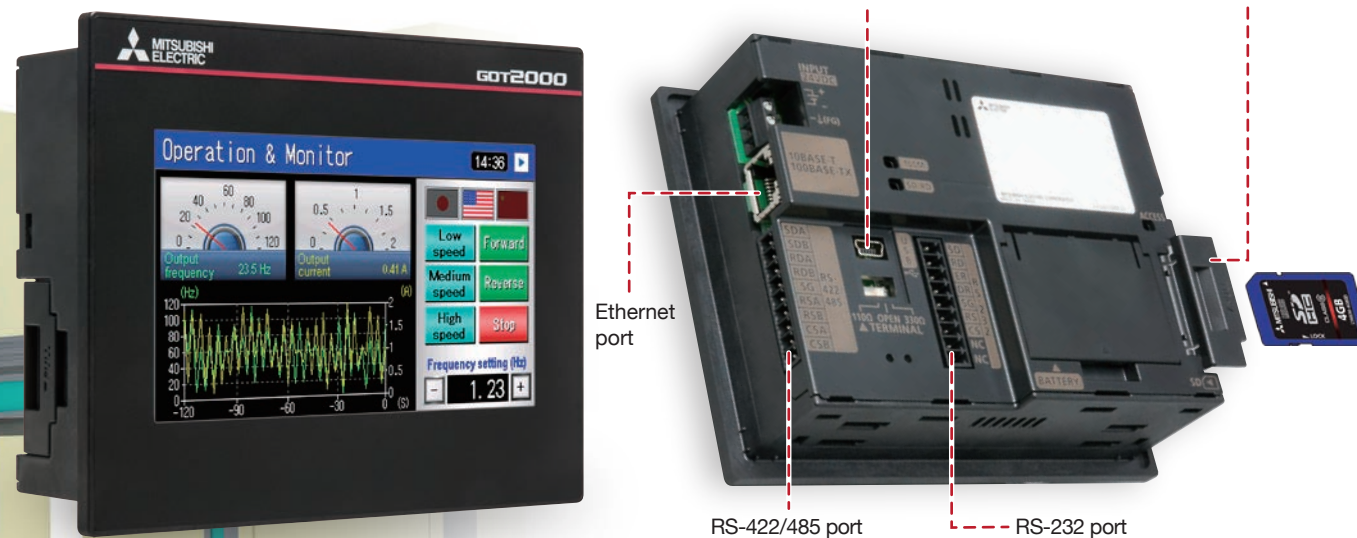
Coloring the industrial landscape and enriching everyday life



[Actual size]

Introducing a compact model with high resolution 65536 colors TFT display!
Enhanced visualization in industrial environments and an excellent choice also for non-FA applications.

NEW GT2104-RTBD



- **New 4.3 inch widescreen lineup!**
- **High resolution 480 x 272 dots in a compact display!**

65536 colors TFT

Built-in SD card slot

NEW

4.3 inch widescreen

Significantly higher resolution!

Built-in Ethernet

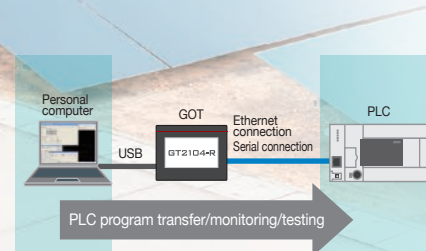
Built-in USB device

Enhanced basic functions!

FA transparent function

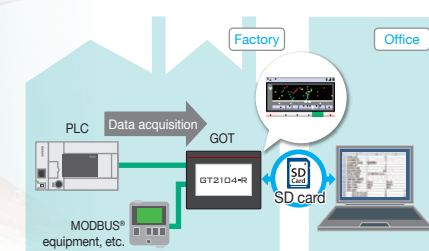
Remotely access PLC via GOT!

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



Logging function

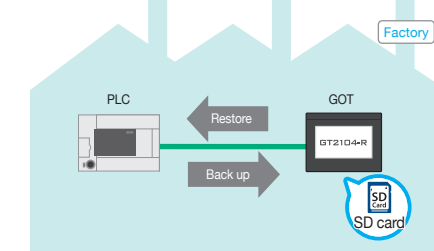
Collect data from multiple FA devices connected to GOT. Data can be collected at any arbitrary timing, useful for analysis and feedback.



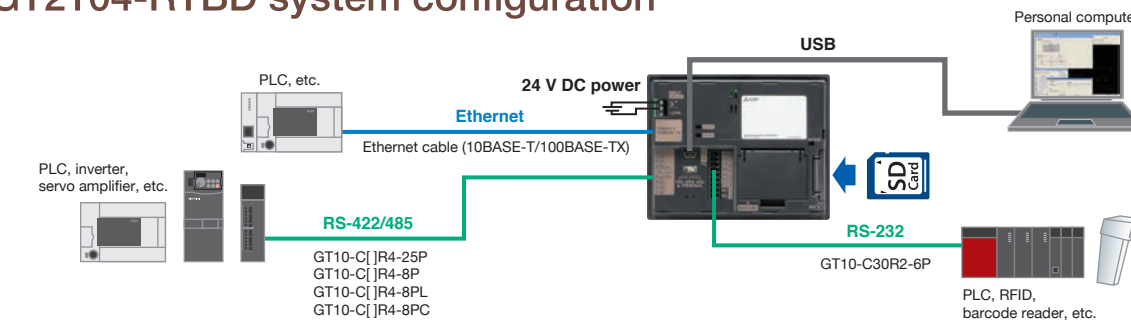
Backup/restore function

Back up important programs with GOT!

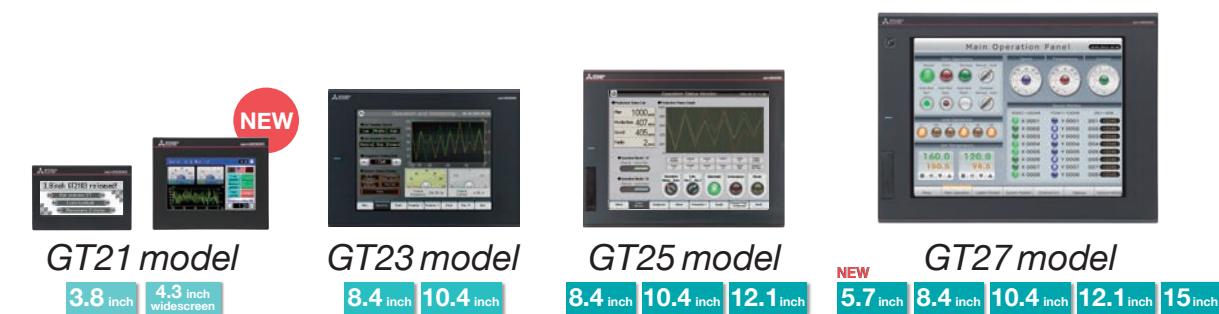
Back up PLC program and parameters to SD card. In case of unexpected trouble, backed up programs can be instantly restored to PLC.



GT2104-RTBD system configuration



GOT2000 lineup



GT21 model function list

Category	Function name	GT21	GT10
Screen design	Figure	●	●
	Logo text	●	●
	Touch switch	●	●
	Lamp	●	●
	Numerical display, Numerical input	●	●
	Date display, Time display	●	●
	Comment display	●	●
	Parts display	● ¹⁾	●
	Parts movement	● ²⁾	—
	Historical data list display	● ³⁾	—
	Simple alarm display	●	●
	Alarm display (User)	● ⁴⁾	● ³⁾
	Level	●	—
	Panelmeter	●	●
	Line graph	●	●
Trend graph	●	●	
Bar graph	●	●	
Statistical bar graph	●	●	
Statistical pie graph	●	●	
Scatter graph	●	—	
Historical trend graph	● ¹⁾	—	
Slider	●	—	
GOT functions	Logging	● ¹⁾	—
	Recipe	● ²⁾	● ⁴⁾
	Device data transfer	●	—
	Trigger action	●	●
	Time action	●	●
	Hard copy	● ¹⁾	—
	File output	●	—
	Serial printer output	●	—
	Project/screen script	●	—
	Barcode function	●	●
	RFID function	●	—
	Report function (Serial printer output)	●	—
	Base screen	●	●
	Overlap window	●	●
	Superimpose window	●	●
Dialog window	●	—	
Key window	●	●	
Language switching	●	●	
System information	●	●	
Operator authentication	●	—	
Startup logo	●	●	
FA transparent	●	●	
Backup/Restore	● ¹⁾	—	
Multi-channel function	2ch	—	
Station No. switching	●	—	
Vertical display	●	●	
Debug functions	Device monitor	●	●

¹⁾ Separately sold SD card required.
²⁾ SD card may be required depending on usage.
³⁾ Advanced alarms are not supported.
⁴⁾ Advanced recipes are not supported.

Non-FA applications

