

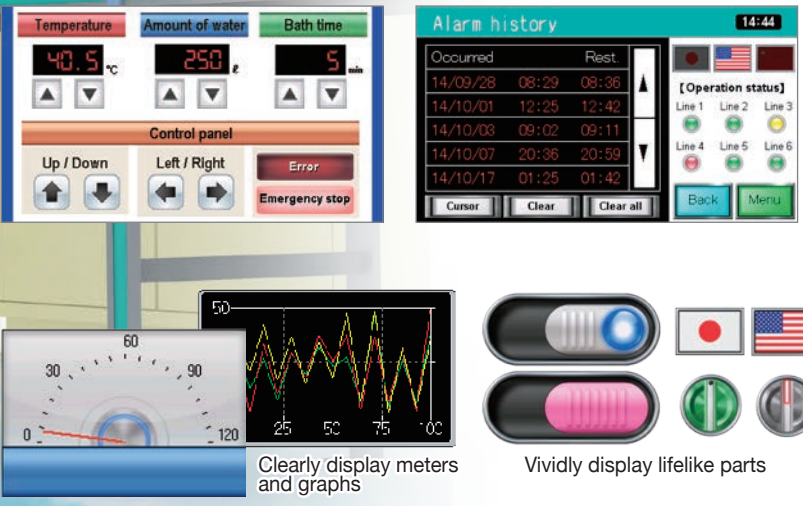
Small yet easy to see
TFT 65536 colors

+

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

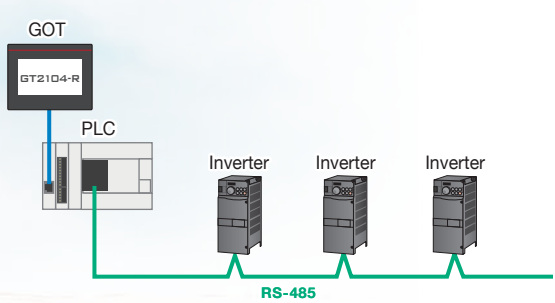
Vividly display lifelike parts



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

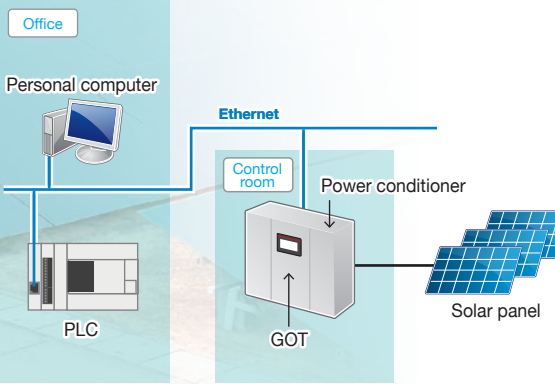
System configuration example

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



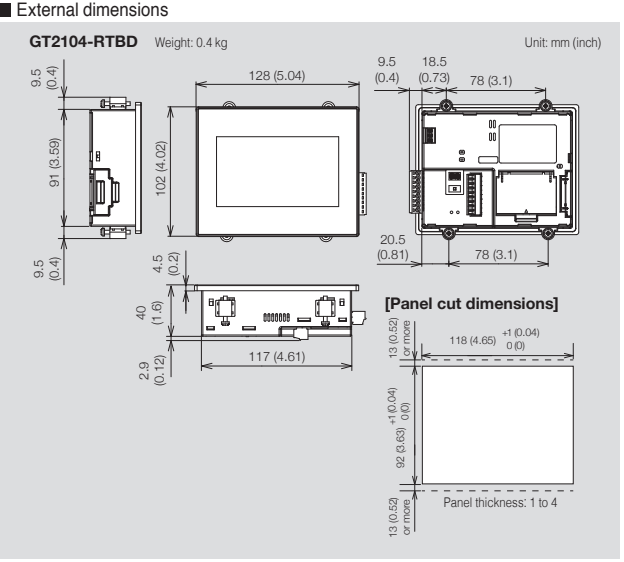
Confirm operation, generation, and consumption in a single glance with better display and expanded microcomputer connection. Collect data and display in a graph or transfer the data to a higher level controller.

■ 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-S08AT 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-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	GT21-04RPSGC-UC GT21-04RPPSCC-UC	Surface treatment: anti-glare, Sheet color: transparent, USB environmental protection cover area: closed, Number of sheets included in a set: 5
RS-422 conversion cable	FA-CNV2402CBL FA-CNV2405CBL	Surface treatment: clear, Sheet color: transparent, USB environmental protection cover area: closed, Number of sheets included in a set: 5
QnA/A/FXCPU direct connection cable	GT01-C30R4-25P* GT01-C100R4-25P* GT01-C200R4-25P*	Between QnA/ACPUmotion controller CPU (A series)/FXCPU and GOT Between RS-422 conversion cable (FA-CNV[ICBL] and GOT Between serial communication module and GOT Between peripheral connection module (AJ65BT-G4-S3) and GOT
Computer link connection cable	GT01-C30R4-25P* GT10-C100R4-25P* GT10-C200R4-25P*	Between QnA/ACPUmotion controller CPU (A series)/FXCPU and GOT Between RS-422 conversion cable (FA-CNV[ICBL] and GOT Between serial communication module and GOT Between peripheral connection module (AJ65BT-G4-S3) and GOT
CC-Link (G4) connection cable	GT10-C300R4-25P* GT10-C300R4-6C*	Between D-sub 25-pin and D-sub 9-pin Between D-sub 25-pin and D-sub 9-pin
Computer link connection cable	GT09-C30R4-6C* GT09-C100R4-6C* GT09-C200R4-6C*	Between serial communication module and GOT Between computer link module and GOT Between loose wire and D-sub 9-pin
FXCPU direct connection cable	GT01-C10R4-8P* GT01-C30R4-8P* GT01-C100R4-8P* GT01-C200R4-8P* GT01-C300R4-8P* GT10-C10R4-8P* GT10-C30R4-8P* GT10-C100R4-8P* GT10-C200R4-8P* GT10-C300R4-8P*	Between FXCPU and GOT Between FXCPU communication expansion board and GOT Between MINI-DIN 8-pin and D-sub 9-pin Between MINI-DIN 8-pin and D-sub 9-pin Between MINI-DIN 8-pin and D-sub 9-pin Between FXCPU and GOT Between FXCPU communication expansion board and GOT Between MINI-DIN 8-pin and loose wire (connector terminal block 9-pin)
FXCPU communication expansion board connection cable	GT10-C10R4-8PL	Between FXCPU and GOT Between FXCPU communication expansion board and GOT Between MINI-DIN 8-pin and loose wire (connector terminal block 9-pin)
USB cable	GT09-C30USB-5P	For extending a USB port of GOT into the control panel.
Panel-mounted USB Port Extension	GT10-C10EXUSB-5S	For extending a USB port of GOT into the control panel.
Serial multi-drop connection unit	GT01-RS4-M	For GOT multi-drop connection
SD card	NZ1MEM-2GBSD NZ1MEM-4GBSD NZ1MEM-8GBSD NZ1MEM-16GBSD	2 GB SD memory card for GOT 4 GB SDHC memory card for GOT 8 GB SDHC memory card for GOT 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
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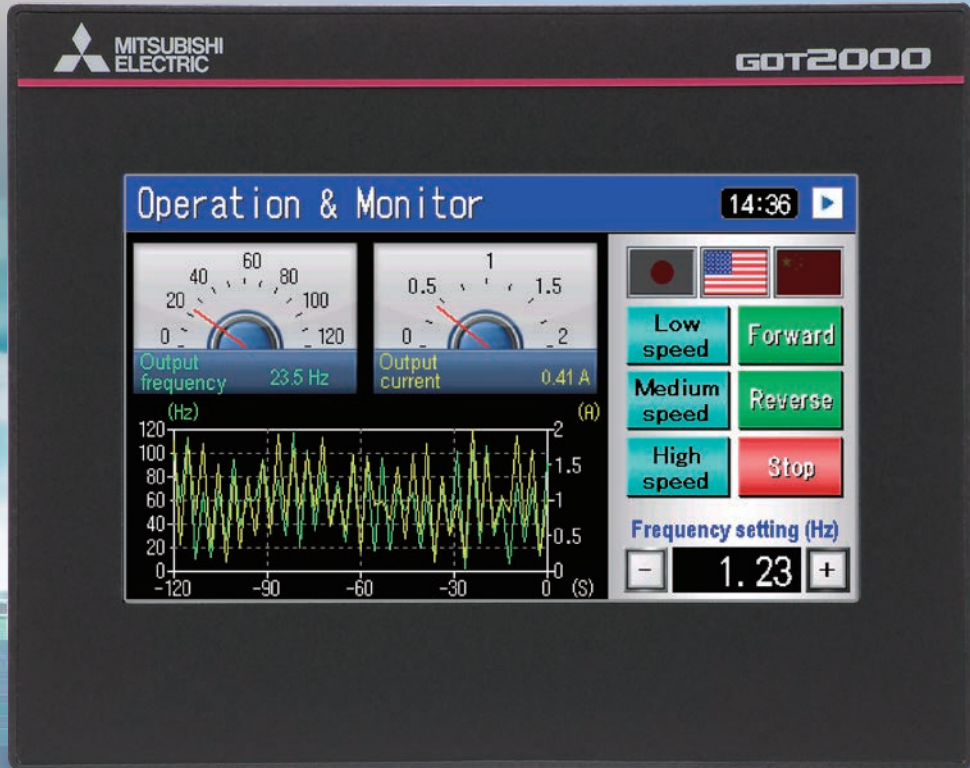
Compact model with exciting possibilities

GOT2000
Graphic Operation Terminal



Coloring the industrial landscape and enriching everyday life

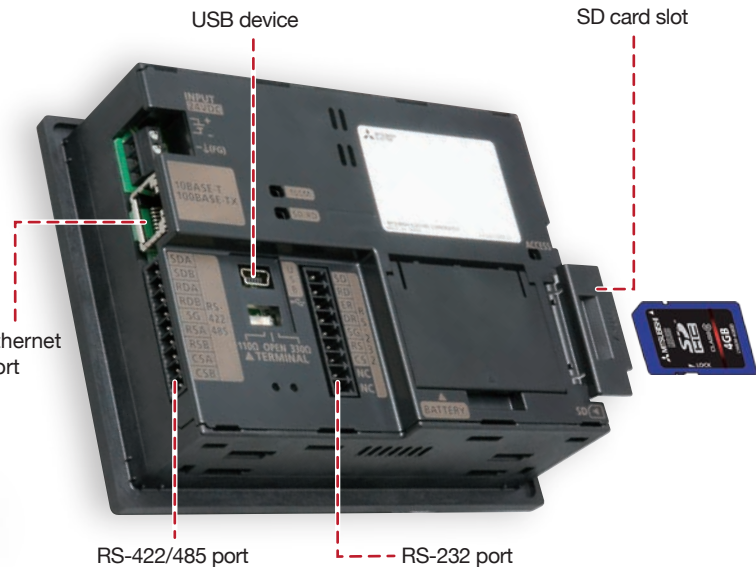
GT2104-RTBD



[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 × 272 dots in a compact display!**

65536 colors TFT

Built-in SD card slot

Built-in Ethernet

Built-in USB device

More compact size!

Significantly higher resolution!

NEW 4.3 inch widescreen

GT1045-QSBD 4.7 inch

GT2104-RTBD

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

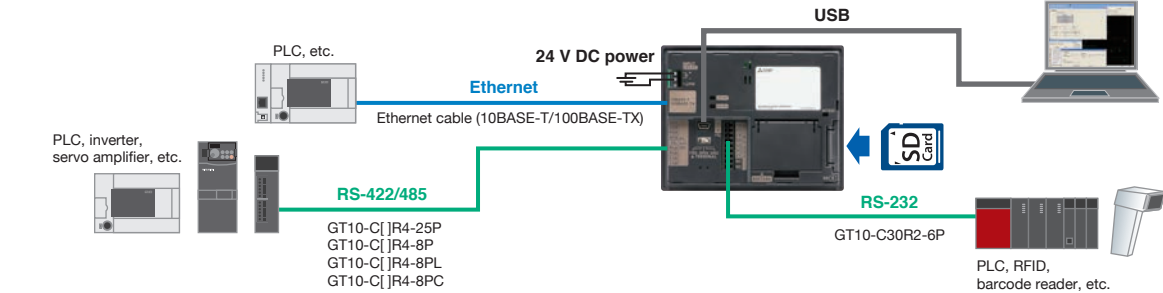
Collect data from multiple FA devices connected to GOT. Data can be collected at any arbitrary timing, useful for analysis and feedback.

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

3.8 inch 4.3 inch widescreen

GT23 model

8.4 inch 10.4 inch

GT25 model

8.4 inch 10.4 inch 12.1 inch

GT27 model

5.7 inch 8.4 inch 10.4 inch 12.1 inch 15 inch

GT21 model function list

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

Non-FA applications

Restaurant ordering and reservation systems

Payment systems for parking garages

Building air conditioning and lighting