# Project data read/write Multi-channel function\* Gateway function OS Base screen, window screen erlap window Dialog window display JPEG image display DXF data IGES data Standard fonts (optional) \*4 OS TrueType font, TrueType font Windows® font Stroke basic font (extended) OS .ogo character function Station No. switching

stem information

omment registration

Boot logo

# Lamp display Touch switch Numeric display/input Data list display istorical data list display\*5 OS ASCII display/input Kana-Kanji conversion function(Enhanced version) OS Clock display Extended alarm monitoring/display( Memory ) loating alarm display Parts display Panel meter display Trend graph Historical trend graph\*5 OS Bar graph Statistical graph Advanced recipe function OS Recipe function OS File saving in CF card Printing on printer Hardcopy function OS Memory reen call function ogging function OS ( Memory ) Script function OS evice data transfer function OS List editor for FX OS

etwork monitor function OS Backup/restoration function OS Memory

# Handy GOT lineup GT16 Light body including the latest GT16 functions Portable 5.7 inch operation termina 24% smaller

**New standard for 5.7 inch Handy GOT** 

High-end Handy model

# **Power Supply Specifications**

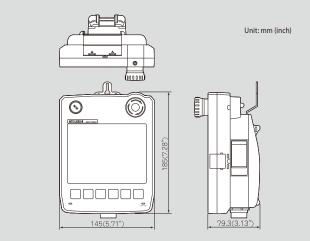
Item		Specifications					
	item	GT1455HS-QTBDE	GT1450HS-QMBDE				
Input power supply voltage		24V DC(+10% -15%)					
Power consumption		8.4W or less (350mA/24V DC)	7.5W or less (310mA/24V DC)				
	Backlight off	7.0W or less (290mA/24V DC)					
Inrush current		30A or less (maximum load) 2ms					
Permissible instantaneous		Within 5ms					

**GRAPHIC OPERATION TERMINAL** 

#### **Performance Specifications**

	Itom	Item Specifications							
	item		GT1455HS-QTBDE	GT1450HS-QMBDE					
	Туре		TFT color liquid crystal display	TFT monochrome (black/white) liquid crysta display					
	Screen size		5.7 inch						
	Resolution		320 × 240 [dots]						
	Display size		115 (W) × 86 (H) [mm]						
Display			16-dot standard font: 20 characters × 15 lines						
section	Display character		12-dot standard font: 26 characters × 20 lines						
	Display color		65,536 colors Monochrome 16 gray scales						
	Display angle		Left/Right: 80 degrees, Top: 80 degrees, Botto						
	Intensity of LCD only		400 [cd/m²] 8-level adjustment 230 [cd/m²] 8-level adjustment						
	Life		Approx. 50,000h. (Time for contrast to become 1/5 at operating ambient temperature of 25°C)						
Backlight	Liic		LED type Backlight off/screen saving time can be set.						
	Life		Approx. 70,000h or longer. (Time for display intensity to reach 50% at operating ambient temperature of 25°C)						
	Туре		Analog resistive film						
Battery  Built-in interface  Switch  Buzzer ou Protective	Key size		Minimum 2 × 2 dots (per key)						
	Number of p touched sim		Simultaneous presses not allowed. (Only 1 point can be touched.)						
	Life		1 million times (operating force 0.98N max.)						
Memory	C drive		Flash memory (Internal), 9Mbytes (for storing Life (Number of write times): 100,000 times	project data)					
Backligh Touch panel  Memory  Battery  Built-in interface	D drive		SRAM (internal), 512Kbytes (battery backup)						
			GT11-50BAT lithium battery						
Battery	Backup target		Clock data, alarm history, recipe data, time action setting value, advanced alarm, advanced recipe, logging, hard copy and SRAM user area						
	Life		Approx. 5 years (Operating ambient temperature of 25°C)						
	RS-232 RS-422		RS-322, RS-422/485, 1ch each Transmission speed: 115200/57600/38400/19200/9600/4800bps Connector shape: Round type 32pins (Male) Application: For communicating with a controller Terminating resistor: 3300 (Fixed)						
	Ethernet		Data transfer method: 100BASE-TX, 10BASE-T, 1ch Connector shape: Round type 32pins (Male) Application: For communicating with a controller, or using the gateway function, connecting PC (project data upload/download, OS installation, FA transparent function)						
		Host	USB(Full Speed 12Mbps), Host, 1ch Connec Application: Data transfer, data storage	ctor shape: TYPE-A					
	USB	Device	USB(Full Speed 12Mbps), device 1ch Conne Application: For connecting a personal compu OS installation, FA transparent function )	ector shape: Mini-B ter (Project data upload/download,					
	SD card		SD standard, 1ch Supported memory card: SDH Application: For uploading/downloading project da	C memory card, SD memory card ta, OS installation, storing logging data					
	Operation	switch	6 switches (6 contacts/common) N/O contact, Life: 1,000,000 times	Maximum rating 10mA/24V DC,					
	Grip switch		1 switch (single wiring) (IDEC HE3B-M2PB) Enable switch (deadman switch) 3-position system of OFF←ON→OFF 2 N/O contacts Maximum rating 1A/24V DC (resistance load), Maximum rating 0.3A/24V DC (induction load), Life: 100,000 times						
Switch	Emergency stop switch		1 switch (single wiring) (IDEC XA1E-BV303R) 3 N/C contacts Maximum rating 1A/24V DC (resistance load), Maximum rating 0.3A/24V DC (induction load), Life: 100,000 times						
	Keylock switch (2-position switch)		1 switch (single wiring) (IDEC AS6M-2KT1PB) 2-notch type (Manual stop at each position/A key can be inserted and removed on only the left side./On the right side, a key cannot be removed/Two keys are provided.) 2-position, Maximum rating 1A/24V DC (resistance load), Maximum rating 0.3A/24V DC (induction load), Life: 100,000 times						
	SD card access switch		Prohibits accessing the SD card when removing the card from the GOT. ON: SD card being accessed (SD card removal prohibited) OFF: SD card not accessed (SD card removal possible)						
Buzzer o	utput		Single tone (tone length adjustable)						
Protective	e structure		IP65f (valid when the external cable is connected, except for the connector conversion box side)						
Weight			Approx. 0.79kg (GT14 Handy main unit only)						
			1						

## **External Dimensions**



Series		Model name	Contents, Specifications					
GT14 Handy GOT		GT1455HS-QTBDE	TFT 65,536 colors					
main unit		GT1450HS-QMBDE	TFT monochrome 16 gray scales					
Emergency Stop Switch Guard Cover Protective sheet Battery		GT14H-50ESCOV	Cover for preventing the emergency stop switch incorre operation					
		GT14H-50PSC	Clear 5 sheets					
		GT11-50BAT	Battery for clock data, alarm history, recipe data, time ac setting value, advanced alarm, advanced recipe, loggin hard copy, and SRAM user area backups					
		GT14H-C30-42P		3 r				
		GT14H-C60-42P	For connecting GOT and Connector conversion box.	6 r				
		GT14H-C100-42P	Connector conversion box. G11011-CND-423	10 r				
		GT11H-C30-37P	For connecting GOT and Connector conversion	3 r				
		GT11H-C60-37P	box, for connecting GOT and Relay cable. Connector conversion box: GT11H-CNB-37S.	6 r				
		GT11H-C100-37P	GT16H-CNB-37S Use C or later version.	10 r				
	External	GT11H-C30		3 r				
	Cable	GT11H-C60	For connecting GOT and Relay cable. Use C or later version.	6 r				
_		GT11H-C100	OSE C OF TALEF VERSION.	10 r				
Connection cable		GT11H-C30-32P		3 г				
cubic		GT11H-C50-32P	For connecting GOT and CC-Link interface unit	5 r				
		GT11H-C80-32P	GT11H(S)-CCL.	8 r				
		GT11H-C130-32P		13 r				
	FA device connection relay cable	GT11H-C15R4-8P	For FX PLC connection(PLC side MINI-DIN 8pin) Use C or later version.					
		GT11H-C15R4-25P	For A/QnA CPU/FX1, FX2, FX2c PLC connection(PLC side D-sub 25pin) Use C or later version.					
		GT11H-C15R2-6P	For Q CPU connection(PLC side MINI-DIN 6pin) Use C or later version.					
		GT16H-CNB-42S	Box for converting 42pin connectors into terminal blocks, D-Sub 9pin connectors, or Ethernet RJ-45 connectors					
Connector conversion box		GT16H-CNB-37S	Box for converting D-Sub 37pin connectors into terminal blocks or Ethernet RJ-45 connectors					
		GT11H-CNB-37S	Box for converting D-Sub 37pin connectors into terminal blocks or D-Sub 9pin connectors					
CC-Link Interface unit		GT11HS-CCL	Face and a state of Colors					
		GT11H-CCL	For connecting GOT and CC-Link.					
		L1MEM-2GBSD	SD memory card 2GB					
		L1MEM-4GBSD	SDHC memory card 4GB					
Manual		GT14HS-U-E	GT14 Handy GOT User's Manual MODEL CODE: 09R825					

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MITSUBISHI ELECTRIC Changes for the Better

**GRAPHIC OPERATION TERMINAL** GOTIO C







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GOTION CERMINAL CONTRACTOR CONTRA

# Compact Connectivity GT14 Handy GOT

High functionality and connectivity combined in a compact and lightweight body. Only in the GT14 Handy GOT.



# Handy GOT feature comparison

	Screen size	Display color	Touch panel	Ethernet	USB	Serial communication	Memory	Memory card	Handle angle change	Dimensions (Weight)
GT16 Handy GOT	6.5 inch VGA 640×480 dots	TFT 65,536 colors	Analog touch panel	1ch	USB host USB device	RS-422/485 RS-232 ©2	15MB	CF card	0	230×201mm (1.2kg)
GT14 Handy GOT	5.7 inch QVGA 320×240 dots	TFT 65,536 colors TFT monochrome 16 gray scales	Analog touch panel	1ch *1	USB host USB device	RS-422 RS-232 *3	9MB	SD card		185×145mm (Approx. 0.79kg)
GT11 Handy GOT	5.7 inch QVGA 320×240 dots	STN 256 colors STN monochrome 16 gray scales	Matrix touch panel		USB device	RS-422 RS-232 ©	змв	CF card	-	209×168mm (1.0kg)

## Emergency stop switch

device. A "normally-closed contact" is adopted to assure



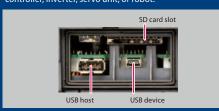
# Grip switch

adopted as an interlock for preventing operation mistakes connect a cable from a personal computer without safety. In addition, the switch guard cover is offered as an and prohibiting operation of a machine. The switch can opening the unit or panel. This interface can then connect directly control external equipment to give immediate



## USB interface (device)

The three-position (OFF-ON-OFF) type deadman switch is This interface supports the FA transparent function to the PC transparently to a Mitsubishi programmable





#### onnection example of peripheral devices



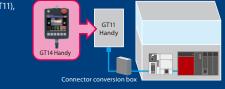
## Backup/restore - For ease of use and peace of mind

Back up PLC program and parameters to external memory Restore the backup for immediate



#### Replacement from older model

When replacing the older model (GT11), use the appropriate cable for your combination of GT14 Handy and



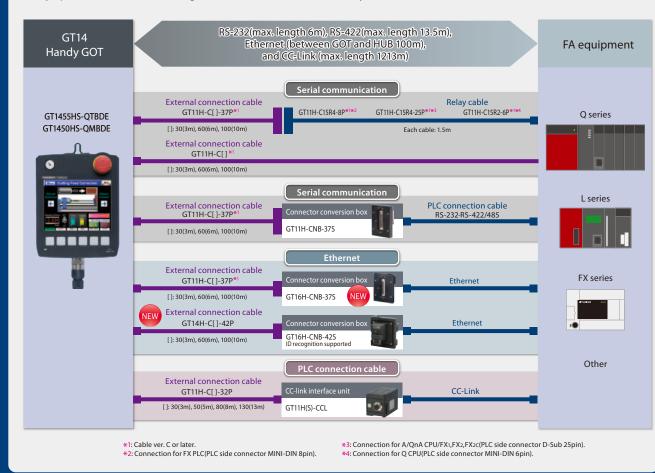
# Logging - Collect data from connected device

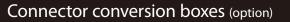
data analysis and feedback, and take the data back to



# GT14 Handy GOT $\longleftrightarrow$ FA equipment connection cables (option)

Many options for connection configuration. Choose one that best fits your needs.



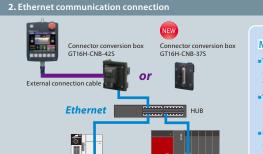




## System configuration examples

Flexibly adapts to the communications used in your system. (Refer to the connection diagram above for external connection cable.)





•The maximum Ethernet communication distance is 100m in total length.

between the connector conversion box and the GOT is 10m.