



## Full Featured Compact Graphic Operator Interface



Ethernet models  
newly added to  
the GP4100 lineup

# GP4100 SERIES



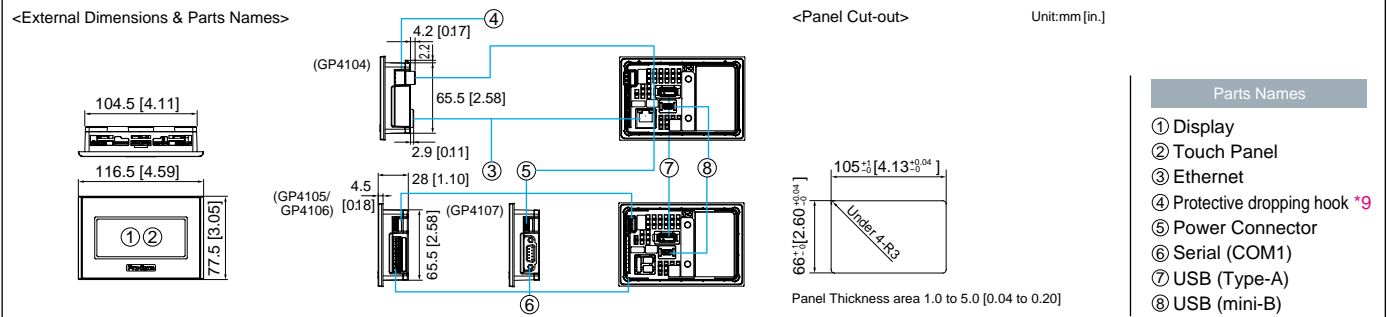
**■ Specification** \*For details on the specifications, visit the official Pro-face website or refer to the manuals.

Function Specifications	GP4104G1D GP4104W1D	GP4105G1D GP4105W1D	GP4106G1D GP4106W1D	GP4107G1D GP4107W1D
Display Type	3.4" STN Monochrome LCD			
Display Colors	Monochrome 16 Levels of grayscale			
Resolution	W200 x H80 pixels			
LED Backlight (Not replaceable)	Three color LED *1			
Effective Display Area	W80 x H32 mm			
Language Fonts *2	Japanese, ASCII, Chinese (Simplified), Chinese (Traditional), Korean, Cyrillic, Thai			
Character Sizes	Standard font: 8 x 8, 8 x 16, 16 x 16 and 32 x 32 pixel fonts Stroke font: 6 to 80 pixel fonts Image font: 8 to 72 pixel fonts			
Application memory	FLASH EPROM 2.2 MB *3			
Clock Accuracy	Uses the clock of an external device			
Touch Panel Type	Resistive Film (analog)			
Interface	Ethernet	IEEE802.3u 10BASE-T/100BASE-TX Connector: Modular jack (RJ-45) x 1		
	Serial (COM1)	RS-232C, Asynchronous Transmission, Data Length: 7 or 8 bit, Parity: none, Odd or Even, Stop Bit: 1 or 2 bit, Data Transmission Speed: 2,400 tps to 115.2 kbps, Connector: 2-piece terminal block 9 pin	RS-422/485, Asynchronous Transmission, Data Length: 7 or 8 bit, Parity: none, Odd or Even, Stop Bit: 1 or 2 bit, Data Transmission Speed: 2,400 tps to 115.2 kbps, Connector: 2-piece terminal block 9 pin	RS-485 (isolated), Asynchronous Transmission, Data Length: 7 or 8 bit, Parity: none, Odd or Even, Stop Bit: 1 or 2 bit, Data Transmission Speed: 2,400 tps to 115.2 kbps, 187.5 kbps (MPI), Connector: D-Sub9 (socket)
	USB (Type-A)	Conforms to USB2.0 (Type-A) x 1, Power Supply Voltage: DC 5 V ± 5 %, Communication Distance: 5 m or less		
	USB (mini-B)	Conforms to USB2.0 (mini-B) x 1, Communication Distance: 5 m or less		

General Specifications	GP4104G1D GP4104W1D	GP4105G1D GP4105W1D	GP4106G1D GP4106W1D	GP4107G1D GP4107W1D
International Safety Standards				
Conforming Standards	UL508, CSA-C22.2 No.142, ANSI/ISA12.12.01*4, CSA-C22.2, No.213*4, EN61000-6-2, EN61000-6-4, EN61131-2, GOST-R, C-Tick mark, KC			
Input Voltage	DC24V			
Power Consumption	2.7W or less *5	3.0W or less *5	3.4W or less *5	
Surrounding Air Temperature	0 to 50 C *6			
Grounding	Functional grounding: Grounding resistance of 100Ω, 2mm²(AWG#14) or thicker wire, or your country's applicable standard. (Same for FG and SG terminals)			
Structure	IP65, NEMA #250 TYPE 4X/13 (on the front panel when properly installed in an enclosure) *7			
External Dimensions	W116.5 x H77.5 x D28 mm [W4.59 x H3.05 x D1.1 in.]			
Weight	0.2 kg [0.4 lb] or less (display unit only)			
Cooling Method	Natural air circulation			

- \*1: GP410\*G1D three color are Green/Orange/Red. GP410\*W1D three color are White/Pink/Red.
- \*2: Please refer to the GP-Pro EX Reference Manual for details on font types and character codes.
- \*3: Capacity available for user application.
- \*4: GP-4104G/W only. Suitable for use in Class I, Division 2, Groups A, B, C, and D Hazardous (classified) locations, or Non-Hazardous Locations.
- \*5: Does not include power supply for USB devices.
- \*6: When using in an environment where the temperature becomes or exceeds 40 C for an extended period of time, the screen contrast level may decrease from its original level of brightness.
- \*7: The front face of the GP unit, installed in a solid panel, has been tested using conditions equivalent to the standards shown in the specification. Even though the GP unit's level of resistance is equivalent to these standards, oils that should have, no effect on the GP can possibly harm the unit.

<External Dimensions & Parts Names>



**■ Units**

Product Name	Model No.	Types of connection	Backlight Colors	Display Type	USB	Input Voltage
GP-4104G <b>NEW</b>	GP4104G1D	10BASE-T/ 100BASE-TX	Green/Orange/Red	3.4" STN Monochrome LCD 16 Grayscales	Type-A x1 mini-B x1	DC24V
GP-4104W <b>NEW</b>	GP4104W1D		White/Pink/Red			
GP-4105G	GP4105G1D	RS-232C	Green/Orange/Red			
GP-4105W	GP4105W1D		White/Pink/Red			
GP-4106G	GP4106G1D	RS-422/485	Green/Orange/Red			
GP-4106W	GP4106W1D		White/Pink/Red			
GP-4107G	GP4107G1D	RS-485 (isolated)	Green/Orange/Red			
GP-4107W	GP4107W1D		White/Pink/Red			

**■ Accessories**

Product Name	Model No.	Description
GP-Pro EX	EXEDV**	Screen editor software
USB Transfer Cable (Type-A/mini-B) (1.8 m)	ZC9USCMB1	Cable for transferring screen data from a PC (Type-A) to the GP (USB mini-B)
Mitsubishi PLC Q-Series CPU I/F Cable (3 m)	ZC9CBQ31	Connects the GP directly to the CPU programming port on the Mitsubishi Electric PLC Q series
Mitsubishi PLC FX-Series CPU I/F Cable (5 m)	ZC9CBFX51	Connects the GP directly to the CPU programming port on the Mitsubishi Electric PLC FX series
Mitsubishi PLC FX-Series CPU I/F Cable (1 m)	ZC9CBFX11	
Mitsubishi PLC A-Series Cable (5 m)	ZC9CBA51	Connects the GP directly to the CPU programming port on the Mitsubishi Electric PLC A/QnA series
Panasonic Electronic Works PLC FP Series CPU Cable (2m)	ZC9CBFP21	Connects the GP directly to the CPU port on the Panasonic Electric Works PLC FP series
USB Panel-mount Extension Cable (USB mini-B 1m)	ZC9USEXMB1	Extension cable attaching to the USB (mini-B) port on the front side of the operation panel
USB Panel-mount Extension Cable (USB Type-A 1m)	CA5-USBEXT-01	Extension cable attaching to the USB (Type-A) port on the front side of the operation panel
USB-Serial (RS-232C) Conversion Cable (50cm)	CA6-USB232-01	Cable for converting a GP unit's USB interface (Type-A) into a serial interface (RS-232C)
Screen Protection Sheet	ZC9DS31	Disposable, dirt-resistant sheet for the GP unit's screen. (5 sheets/set)
USB Clamp Type-A (1 Port)	ZC9USCL1	USB (Type-A) Cable clamp for 1 port products to prevent disconnection (5 clamps/set)
USB Clamp mini-B (1port)	ZC9USCLMB1	USB (mini-B) Cable clamp for 1 port products to prevent disconnection (5 clamps/set)

**■ Maintenance Items** \*Please purchase when the product is damage or lost.

Product Name	Model No.	Description
Installation Fastener	ZC9AF31	Used to install the GP into a solid panel (2 pieces/set)
Installation Gasket	ZC9WG31	Provides dust and moisture resistance when GP is installed into a solid panel (1 piece)
COM I/F Connector	ZC9CMC1	Connector for Serial I/F (1 piece) *10
DC Power Supply Connector	ZCACNDCS1	Connector for attaching power supply to 3.4-inch GP units. (Set of 5 connectors) *11

\*10 GP4105G/W, GP-4106G/W only. \*11: For GP-4104G/W only. For the support for GP-4105G/W, GP-4106G/W and GP-4107G/W, contact your Pro-face sales representative.



**WARNING**

**HAZARD OF OPERATOR INJURY, OR UNINTENDED EQUIPMENT DAMAGE**

Before operating any of these products, be sure to read all related manuals thoroughly.

**Failure to follow these instructions can result in death or serious injury, unintended equipment damage.**

- For printing purposes, the colors in this catalog may differ from those of the actual unit.
- Actual user screens may differ from the screens shown here.

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