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See Also:
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Product Name	Product Number	Description
9-pin-to-25-pin RS-232C Conversion Cable (0.2m)	CA3-CBLCBT232-01	Connects a standard RS-232C cable (D-Sub 25-pin socket) to the GP unit (D-sub 9-pin plug).
RS-422 9/25-pin Conversion Cable (0.2m)	PFXZCBCBCVR41	Connects a standard RS-422 cable (D-sub 25-pin socket) to the GP unit (D-sub 9 pin plug).
Siemens TTY Converter Cable (5m)	CA6-CBLTTY/5M-01	Connects Siemens PLC S5 Series to the GP unit.
MPI Cable (3.5m)	ST03-A2B-MPI21-PFE CA3-MPI-PG1-PFE CA3-MPI-PGN-PFE	Connects a host controller to the GP unit for MPI communication.
RS-232C Isolation Unit	CA3-ISO232-01	Connects a host controller to the GP unit and provides isolation. (RS-232C and RS-422 are switchable.)

USB Interface Items

Product Name	Product Number	Description
USB Transfer Cable (2m)	CA3-USBCB-01	Downloads project data created with the Screen Editor & Logic Program Software via the GP unit's USB I/F.
USB Cable (5m)	FP-US00	Connects a USB printer. (TYPE-B)
USB Front Cable (1m)	CA5-USBEXT-01	Extension cable attaching USB interface to front panel.
USB-Serial (RS-232C) Conversion Cable (0.5m)	CA6-USB232-01	Cable for converting a GP unit's USB interface into a serial interface (RS-232C). Allows connection to modems[*1] or bar code readers[*1] that support RS-232C.
USB/RS-422/485 Conversion Adapter	PFXZCBCBCVUSR41	Adapter for connecting a GP unit (USB Type A) with an external device (RS-422/RS-485).
USB Transfer Cable (USB Type A/mini-B) (1.8 m)	ZC9USCBMB1	Cable for transferring screen data from a PC (USB Type A) to the GP unit (USB mini-B).
USB Panel-mount Extension Cable (USB mini-B) (1 m)	ZC9USEXMB1	Extension cable that attaches to the USB (mini-B) interface on the front side of the operation panel.
USB Clamp mini-B (1 port)	ZC9USCLMB1	Clamp to prevent disconnection of USB cable (USB/mini-B, 1 port, 5 clamps/set)
EZ Illuminated Switch	PFXZCCEUSG1	A unit of 5 illuminated switches with multiple color LED easily connected with GP unit via USB.
EZ Fingerprint Recognition Unit	PFXZCCEUSS1	Fingerprint recognition unit easily connected with GP unit via USB.

[*1] For supported models, refer to Pro-face's support site "Otasuke Pro!" (http://www.proface.com/otasuke/). You can connect to this site in GP-Pro EX: from the [Help (H)] menu, click [Connect].

SD Card Items

Product Name	Product Number	Description
SD Memory Card (4 GB)	PFXZCBSD4GC41	SD Memory Card (4 GB, CLASS4)

Option Items

Product Name	Product Number	Corresponding GP unit	Description
12.1-inch Screen Protection Sheet	CA7-DFS12-01	GP-4600 Series*2	Disposable, dirt-resistant sheet for the GP unit screen (5 sheets/set)
10.4-inch Screen Protection Sheet	PFXZCBDS101	GP-4500 Series*2	
7.5-inch Screen Protection Sheet	PFXZCBDS71	GP-4401T*2	
7.0-inch Wide Screen Protection Sheet	PFXZCBDS72	GP-4401WW	
5.7-inch Screen Protection Sheet	PFXZCBDS61	GP-4300 Series*2	
3.5-inch Screen Protection Sheet	CA6-DFS4-01	GP-4200 Series	
12.1-inch Environment Cover	PFXZCBOP121	GP-4600 Series*2 GP-4501TW	Disposable, environment cover for the GP unit screen (1 sheet/set)
10.4-inch Environment Cover	PFXZCBOP101	GP-4500 Series*1*2	
7.0/7.5-inch Environment Cover	PFXZCBOP71	GP-4400 Series*2	
5.7-inch Environment Cover	PFXZCBOP61	GP-4300 Series*2	
3.5-inch Environment Cover	PFXZCBOP41	GP-4200 Series	

*1 Please use "12.1-inch Environment Cover" for GP-4501TW (10.4-inch model).

*2 These options cannot be used with the rear mount model. For information on the option items dedicated for use with the rear mount model, refer to Option Items / Maintenance Options *(see page 175)*.

Maintenance Options

Product Name	Product Number	Corresponding GP unit	Description
Installation Fastener	PFXZCBAF1	GP4000 Series*1*2	Used to install the GP unit into a solid panel (4 pieces/ set)
10.4-inch TW models & 12.1-inch Installation Gasket	PFXZCBWG121	GP-4600 Series*2 GP-4501TW	Provides dust and moisture resistance when GP unit is installed into a solid panel (1 piece)
10.4-inch Installation Gasket	PFXZCBWG101	GP-4500 Series*2 (except GP-4501TW)	
7.0-inch Wide & 7.5-inch Installation Gasket	PFXZCBWG71	GP-4400 Series*2	
5.7-inch Installation Gasket	PFXZCBWG61	GP-4300 Series*2	
3.5-inch Installation Gasket	PFXZCBWG41	GP-4200 Series	
USB Clamp TypeA (1 port)	PFXZCBCLUSA1	GP4000 Series*1	Clamp to prevent disconnection of USB cable (USB/A, 1 port, 5 clamps/set)
DC Power Supply Connector	PFXZCBCNDC1	GP-4400 Series GP-4300 Series GP-4200 Series	Connector to connect DC power supply cables (5 pcs/set)
DC Power Supply Connector (Right-angle)	PFXZCBCNDC2	GP-4600 Series GP-4500 Series	Right-angle connector to connect DC power supply cables (5 pcs/set)
Battery for Memory Backup	PFXZCBBT1	GP-4600 Series GP-4500 Series GP-4400 Series GP-4300 Series (except GP-4301TW)	Primary battery for memory and time data backup (1)
Panel Cutout Adapter	CA4-ATM10-01	GP-4500 Series (except Rear Mount Models)	Panel cutout adapter for mounting GP-4500 Series in cutout for GP-2500/2600 series.

*1 Does not include GP-4100 Series, GP-4201TM, or GP-4301TM.

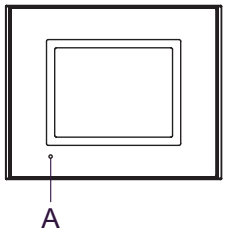
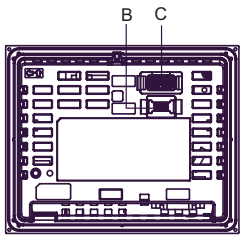
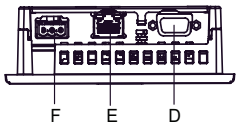
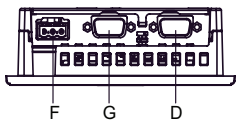
*2 These options cannot be used with the rear mount model. For information on the option items dedicated for use with the rear mount model, refer to Option Items / Maintenance Options *(see page 175)*.

Parts Identification and Functions

3

Parts Identification and Functions

GP-4200 Series Parts Identification

Side	GP-4200 Series
Front	
Rear	
Bottom	GP-4201T/4203T  GP-4201TW 

Part	Name	Description
A	Status LED	*1
B	USB (mini-B) Interface	Conforms to USB2.0 (mini-B) x 1. Communication Distance: 5 m (16.4 ft) or less.

Part	Name	Description
C	USB (Type A) Interface	Conforms to USB2.0 (Type A) x 1. Power supply voltage: 5Vdc+/-5%. Output Current: 500 mA or less. Maximum communication distance: 5 m (16.4 ft).
D	Serial Interface (COM1)	GP-4201T: RS-232C/422/485 Serial Interface. (You can switch the communication method via software.) Connector: D-Sub 9 pin (plug) x 1. GP-4201TW: RS-232C Serial Interface. Connector: D-Sub 9 pin (plug) x 1. GP-4203T: RS-485 (isolation) Serial Interface. Connector: D-Sub 9 pin (socket) x 1.
E	Ethernet Interface*2	Ethernet transmission interface (10BASE-T/100BASE-TX) Connector: Modular jack (RJ-45) x 1. Ethernet Interface is not attached to GP-4201TW.
F	Power Plug Connector	-
G	Serial Interface (COM2)	GP-4201TW: RS-422/485 Serial Interface. Connector: D-Sub 9 pin (plug) x 1.

*1 Status LED operations are as shown below:

Color	Indicator	Operation Mode (Drawing)	Logic execution mode (when logic is enabled)
Green	ON	Offline	–
		In operation	RUN
	Flashing	In operation	STOP
Orange	Flashing	Software starting up.	
Red	ON	Power is turned ON.	
	Flashing	In operation	Major Error
LED fade (Green)	ON	The GP unit's "Backlight Control" is set to Standby Mode and the screen has gone blank.	
-	OFF	Power is turned OFF.	

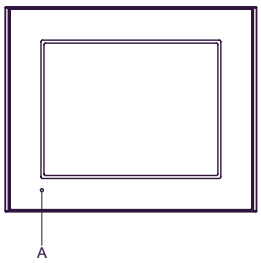
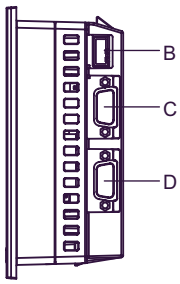
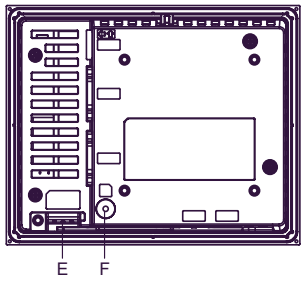
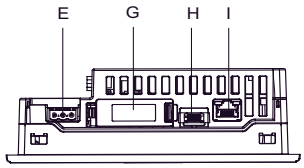
*2 Ethernet LED operations are as shown below.

	Color	Indicator	Description
	Green (Active)	Flashing	Data transmission is occurring.
		OFF	No data transmission.
	Green (Link)	ON	Data transmission is available in 10BASE-T/100BASE-TX.
		OFF	No connection or subsequent transmission failure.

GP-4300 Series Parts Identification

NOTE:

- If you are using the rear mount model, refer to Parts Identification and Functions *(see page 176)*.

Side	GP-4300 Series
Front	
Right	
Rear	
Bottom	

Part	Name	Description
A	Status LED	*1
B	USB (Type A) Interface	Conforms to USB2.0 (Type A) x 1. Power supply voltage: 5Vdc+/-5%. Output Current: 500 mA or less. Maximum communication distance: 5 m (16.4 ft).
C	Serial Interface (COM1)	RS-232C Serial Interface. Connector: D-Sub 9 pin (plug) x 1.

Part	Name	Description
D	Serial Interface (COM2)	GP-4301T/GP-4301TW: RS-422/485 Serial Interface. Connector: D-Sub 9 pin (plug) x 1. GP-4303T: RS-485 (isolation) Serial Interface. Connector: D-Sub 9 pin (socket) x 1.
E	Power Plug Connector	-
F	SD Card Access LED *2	This lamp lights up when SD Card is inserted. **NOTE:** Do not remove or insert the SD Card when the LED lamp is on. Doing so may damage data on the SD Card.
G	SD Card Interface Cover/Replacement Battery Insertion Cover	For information on how to open the cover, and insert or remove the SD Card, refer to SD Card Insertion / Removal *(see page 150)*. For information on how to open the cover and replace the battery, refer to Replacing the Primary Battery *(see page 168)*. **NOTE:** This cover is not on GP-4301TW
H	USB (mini-B) Interface	Conforms to USB2.0 (mini-B) x 1. Communication Distance: 5 m (16.4 ft) or less.
I	Ethernet Interface *3	Ethernet transmission interface (10BASE-T/100BASE-TX) Connector: Modular jack (RJ-45) x 1.

*1 Status LED operations are as shown below:

Color	Indicator	Operation Mode (Drawing)	Logic execution mode (when logic is enabled)
Green	ON	Offline	–
		In operation	RUN
	Flashing	In operation	STOP
Orange	Flashing	Software starting up.	
Red	ON	Power is turned ON.	
	Flashing	In operation	Major Error
LED fade (Green)	ON	The GP unit's "Backlight Control" is set to Standby Mode and the screen has gone blank.	
-	OFF	Power is turned OFF.	

*2 SD Card Access LED operations are as shown below.

Color	Indicator	Description
Green (Active)	ON	The SD Card is inserted.
	OFF	The SD Card is not inserted or is not being accessed.

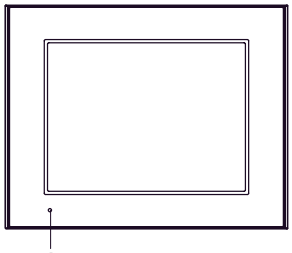
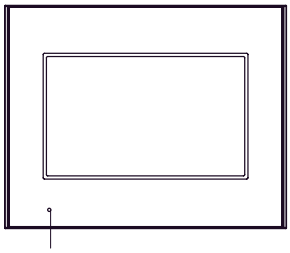
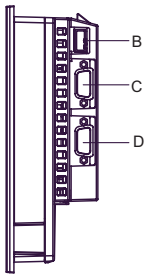
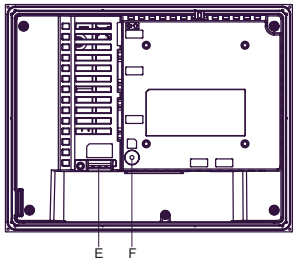
*3 Ethernet LED operations are as shown below.

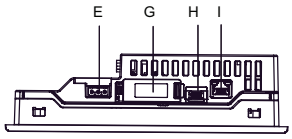
	Color	Indicator	Description
	Green (Active)	Flashing	Data transmission is occurring.
		OFF	No data transmission.
	Green (Link)	ON	Data transmission is available in 10BASE-T/100BASE-TX.
		OFF	No connection or subsequent transmission failure.

GP-4400 Series Parts Identification

NOTE:

- If you are using the rear mount model, refer to Parts Identification and Functions *(see page 176)*.

Side	GP-4400 Series
Front	GP-4401T  GP-4401WW 
Right	
Rear	

Side	GP-4400 Series
Bottom	

Part	Name	Description
A	Status LED	*1
B	USB (Type A) Interface	Conforms to USB2.0 (Type A) x 1. Power supply voltage: 5Vdc+/-5%. Output Current: 500 mA or less. Maximum communication distance: 5 m (16.4 ft).
C	Serial Interface (COM1)	RS-232C Serial Interface. Connector: D-Sub 9 pin (plug) x 1.
D	Serial Interface (COM2)	RS-422/485 Serial Interface. Connector: D-Sub 9 pin (plug) x 1.
E	Power Plug Connector	-
F	SD Card Access LED *2	This lamp lights up when SD Card is inserted. **NOTE:** Do not remove or insert the SD Card when the LED lamp is on. Doing so may damage data on the SD Card.
G	SD Card Interface Cover/Replacement Battery Insertion Cover	For information on how to open the cover, and insert or remove the SD Card, refer to SD Card Insertion / Removal *(see page 150)*. For information on how to open the cover and replace the battery, refer to Replacing the Primary Battery *(see page 168)*.
H	USB (mini-B) Interface	Conforms to USB2.0 (mini-B) x 1. Communication Distance: 5 m (16.4 ft) or less.
I	Ethernet Interface *3	Ethernet transmission interface (10BASE-T/100BASE-TX) Connector: Modular jack (RJ-45) x 1.

*1 Status LED operations are as shown below:

Color	Indicator	Operation Mode (Drawing)	Logic execution mode (when logic is enabled)
Green	ON	Offline	–
		In operation	RUN
	Flashing	In operation	STOP
Orange	Flashing	Software starting up.	
Red	ON	Power is turned ON.	
	Flashing	In operation	Major Error
LED fade (Green)	ON	The GP unit's "Backlight Control" is set to Standby Mode and the screen has gone blank.	
-	OFF	Power is turned OFF.	

*2 SD Card Access LED operations are as shown below.

Color	Indicator	Description
Green (Active)	ON	The SD Card is inserted.
	OFF	The SD Card is not inserted or is not being accessed.

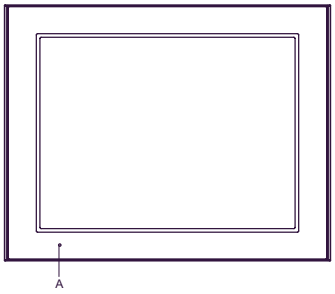
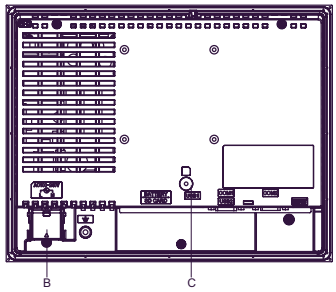
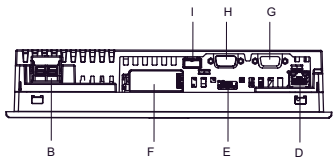
*3 Ethernet LED operations are as shown below.

	Color	Indicator	Description
	Green (Active)	Flashing	Data transmission is occurring.
		OFF	No data transmission.
	Green (Link)	ON	Data transmission is available in 10BASE-T/100BASE-TX.
		OFF	No connection or subsequent transmission failure.

GP-4500 Series Parts Identification

NOTE:

- If you are using the rear mount model, refer to Parts Identification and Functions *(see page 176)*.

Side	GP-4500 Series
Front	
Rear	
Bottom	

Part	Name	Description
A	Status LED	*1
B	Power Input Terminal Block (AC model), Power Plug Connector (DC model)	-
C	SD Card Access LED *2	This lamp lights up when SD Card is inserted. **NOTE:** Do not remove or insert the SD Card when the LED lamp is on. Doing so may damage data on the SD Card.
D	Ethernet Interface *3	Ethernet transmission interface (10BASE-T/100BASE-TX) Connector: Modular jack (RJ-45) x 1.
E	USB (mini-B) Interface	Conforms to USB2.0 (mini-B) x 1. Communication Distance: 5 m (16.4 ft) or less.