

10.4" Touch Screen Operator Interface



Features:

- 65,536 Colors, Clear, Bright, High-Resolution TFT Display
- Energy Efficient LED Display
- No Grid Analog Touch Panel for Improved Visibility and Precise Part Placement
- Supports Up to Two Protocol Drivers Simultaneously
- High Speed Application Transfer, 10 Times Faster than Conventional Operator Interfaces
- 10/100 Base-T Ethernet, USB, Serial Communication, and SD Card Interfaces
- High-Definition Part Images and Multi-Language Support

Specifications

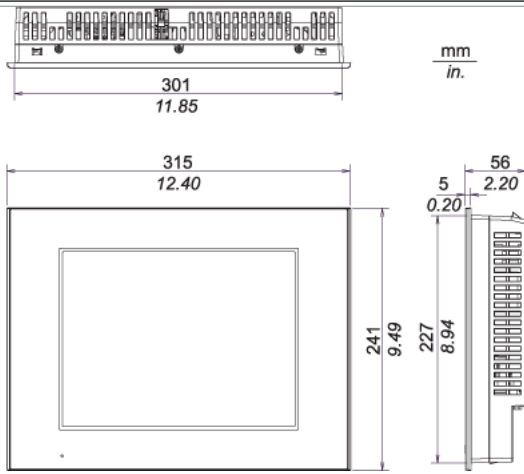
Model	PFXGP4501TADW
Graphics Display Resolution	640 x 480 pixels (VGA)
Display Type and Size	TFT Color LCD (10.4 inch)
Display Colors	65,536 Colors (no blink), 16,384 (blink)
Display Area	W211.2 x H158.4 mm [W8.31 x H6.24 in.]
Touch Screen	Resistive film analog 1024 x 1024 resolution
USB	USB Type-A (2.0) x 1, USB mini-B (2.0) x1
SD Card	SD Card slot x 1 (maximum 32 GB SD/SDHC Card)
Serial	COM1: RS-232C Asynchronous Transmission Data Length: 7 or 8 bits, Parity: None, Odd or Even, Stop Bit: 1 or 2 bits, Data Transmission Speed: 2,400 bps to 115.2 kbps, Connector: D-Sub9 (plug) COM 2: RS-422/485 Asynchronous Transmission Data Length: 7 or 8 bits, Parity: None, Odd or Even Stop Bit: 1 or 2 bits, Data Transmission Speed: 2,400 bps to 115.2 kbps, 187.5kbps (MPI) Connector: D-Sub9 (plug)
Ethernet	Ethernet IEEE802.3/IEEE802.3u, 10BASE-T/100BASE-TX
Backlight	White LED (User nonreplaceable parts. When replacement is required, contact your local distributor.
Brightness and Contrast Controls	8 levels of adjustment available via touch panel or the software
Programming Memory	16MB FEPRAM (GP-Pro EX V3.0 or later)
Backup Memory	128kb SRAM with battery backup

General Specifications

Model	PFXGP4501TADW
Input Voltage	Rated DC24V (Limits DC19.2 to 28.8V)
Power Consumption	17 W or less
Ambient Operating Temp.	0°C (32°F) to 50°C (122°F)
Storage Temperature	-20 to 60 °C [-4 to 140 °F]
Altitude Endurance	800 to 1,114 hPa (2,000 m [6,561ft.] above sea level or less)
Certifications	CE, UL Listed Cl 1 Div 2 (Cl 1 Div 2 is only available on Rev. C units), RoHS, ABS (American Bureau of Shipping), DNV (Norway – Marine)
Humidity - Ambient/Storage	10 to 90 % RH (Wet bulb temperature: 39 °C [102.2 °F] or less - no condensation.)
Noise Immunity	Noise Voltage: 1,500 Vp-p, Pulse Duration: 1 μs, Rise Time: 1 ns (via noise simulator)
Cooling Method	Natural air circulation
Electrostatic Discharge Immunity	Contact Discharge Method: 6 kV (IEC/EN61000-4-2 Level 3)
Vibration Resistance	IEC/EN61131-2 compliant, 5 to 9 Hz Single amplitude 3.5 mm [0.14 in.], 9 to 150 Hz Fixed acceleration: 9.8 m/s², X, Y, Z directions for 10 cycles (approx. 100 min)
Shock during operation	IEC/EN61131-2 compliant 147 m/s², X, Y, Z directions for 3 times
Rating	Equivalent to IP65f, Nema #250 Type 4x/13 (Equivalent to NEMA 12 with the addition of "Oil or Spraying and Splashing") when properly installed in an enclosure
Weight	2.5 kg [5.5 lb] or less (display unit only)
External Dimensions	W315x H241x D56 mm [W12.4 x H9.49 x D2.2 in.]
Warranty	Two-year standard (maximum 4 years)

GP-4501TW - External Dimensions

Unit: mm [in.]



Ordering Information

Part Number	Description
PFXGP4501TADW	GP-4501TW: 10.4" TFT Color Touchscreen (Analog), VGA, 2x Serial, Ethernet, 2x USB, SD, 24VDC, UL/CE

Optional Items

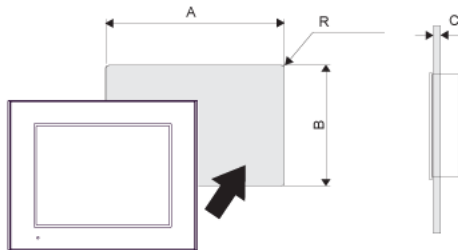
Part Number	Product Name
PFXZCBSD4GC41	SD Memory Card (4 GB, Class 4)
GP-Pro EX (EX-ED-Vx)	Screen and Logic Development Software (ver 3.0 or newer)
PLC Cables & Accessories	See AGP3000 Connectivity Document

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

- All product names used in this document are trademarks or registered trademarks of their respective companies.
- All information contained in this document is subject to change without notice.

GP-4501TW - Cut-Out Dimensions

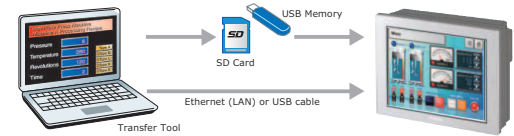
Unit: mm [in.]



	A	B	C	R
GP-4501T	259 mm (+1, -0 mm) (10.2 in. [+0.04, -0 in.])	201 mm (+1, -0 mm) (7.91 in. [+0.04, -0 in.])	1.6...5 mm (0.06...0.2 in.)	3 mm (0.12 in.) maximum
GP-4503T				
GP-4501TW	301.5 mm (+1, -0 mm) (11.87 in. [+0.04, -0 in.])	227.5 mm (+1, -0 mm) (8.96 in. [+0.04, -0 in.])		

Easily Transfer Data

Screen data can be updated by using the data transfer tool, even without a software license.

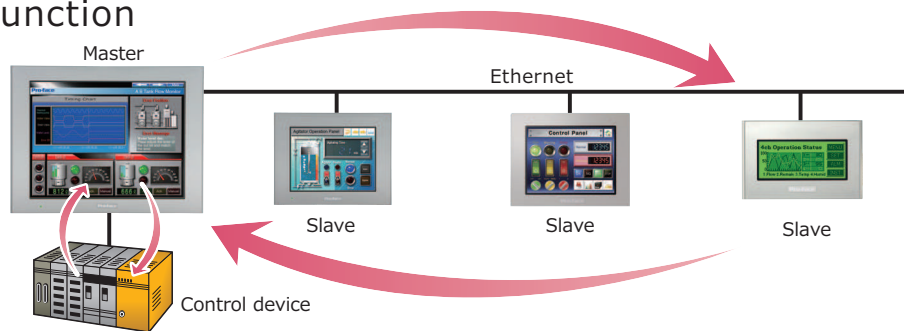


The data transfer tool can be downloaded for free from the Web
<http://www.profaceamerica.com>

Connectivity

Ethernet Multi-Link function

The Ethernet Multi-Link function allows you to easily add a GP as a sub-display to the facility without changing any settings of the control device.



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