

10.4" Touch Screen Operator Interface



**TouchPanel
Operation**



10.4-inch TFT Color Touch Screen Operator Interface

GP-4501TW

10.4-inch

Model: PFXGP4501TADW

AC/DC 24V

VGA

SD Card

Ethernet

Powered by **GP-Pro EX**





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

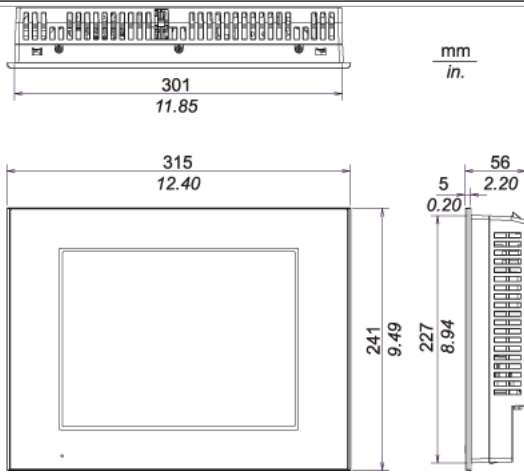
Model	PFXGP4501TADW
Graphics Display Resolution	640 x 480 pixels (VGA)
Display Type and Size	TFT Color LCD (10.4 inch)
Display Colors	65,536 Colors (no blink), 16,384 (blink)
Display Area	W211.2 x H158.4 mm [W8.31 x H6.24 in.]
Touch Screen	Resistive film analog 1024 x 1024 resolution
USB	USB Type-A (2.0) 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 FEPRM (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

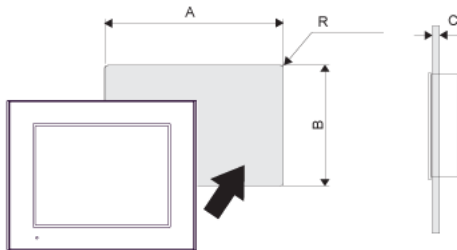
Part Number	Product Name
PFXZCBSD4GC41	SD Memory Card (4 GB, Class 4)
GP-Pro EX (EX-ED-Vx)	Screen and Logic Development Software (ver 3.0 or newer)
PLC Cables & Accessories	See AGP3000 Connectivity Document

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

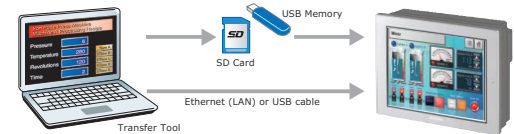
Unit: mm [in.]



	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.

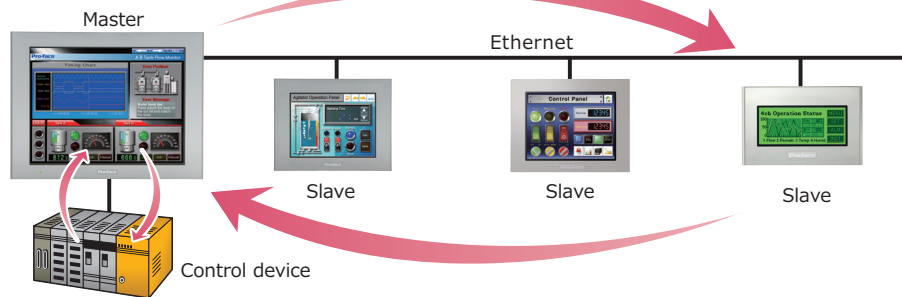


The data transfer tool can be downloaded for free from the Web
<http://www.profaceamerica.com>

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.



Pro-face America
 Phone: 734.477.0600
 Fax: 734.864.7347
www.profaceamerica.com

Customer Service Hotline: 800.289.9266

For more information

ACCESS

www.profaceamerica.com

Pro-face



California Proposition 65 Warning—Lead and Lead Compounds

Advertencia de la Proposición 65 de California—Plomo y compuestos de plomo

Avertissement concernant la Proposition 65 de Californie—Plomb et composés de plomb

⚠ WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov.

⚠ ADVERTENCIA: Este producto puede exponerle a químicos incluyendo plomo y compuestos de plomo, que es (son) conocido(s) por el Estado de California como causante(s) de cáncer y defectos de nacimiento u otros daños reproductivos. Para mayor información, visite : www.P65Warnings.ca.gov.

⚠ AVERTISSEMENT: Ce produit peut vous exposer à des agents chimiques, y compris plomb et composés de plomb, identifiés par l'État de Californie comme pouvant causer le cancer et des malformations congénitales ou autres troubles de l'appareil reproducteur. Pour de plus amples informations, prière de consulter: www.P65Warnings.ca.gov.

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Schneider Electric USA, Inc.
800 Federal Street
Andover, MA 01810 USA
888-778-2733
www.schneider-electric.us

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Schneider Electric México, S.A. de C.V.
Av. Ejercito Nacional No. 904
Col. Palmas, Polanco 11560 México, D.F.
55-5804-5000
www.schneider-electric.com.mx

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Schneider Electric Canada, Inc.
5985 McLaughlin Road
Mississauga, ON L5R 1B8 Canada
800-565-6699
www.schneider-electric.ca