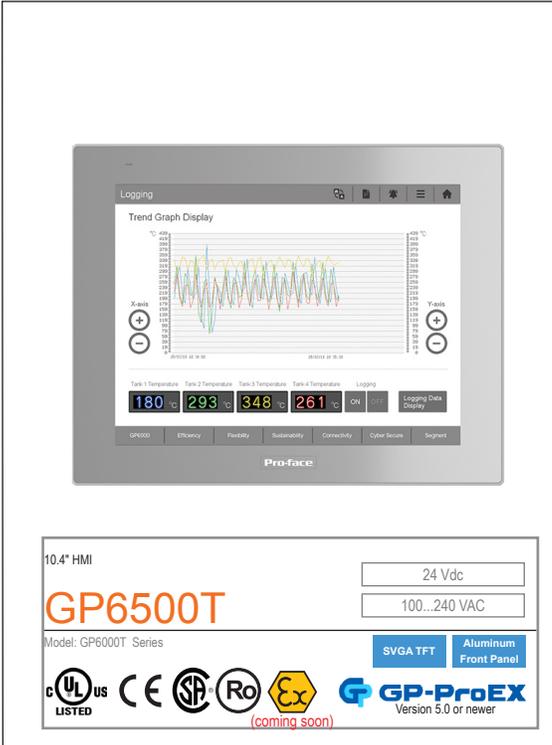


# GP6500T HMI



- Features:**
- 16 Million Colors
  - Enhanced Cybersecurity

- Supports up to 2TB commercial-type SD card
- 2 Ethernet Ports, Serial Ports, USB

## Performance Specifications

|                        |   |   |
|------------------------|---|---|
| Model                  | PFXGP6500TAD, PFXGP6500TADC*, PFXGP6500TAA  | PFXGP6500TMD, PFXGP6500TMA  |
| Graphics Display       | TFT (800 x 600 Pixels)  |   |
| Display Type and Size  | SVGA TFT Color LCD (10.4-inch)  |   |
| Display Colors         | 16 Million Colors   |   |
| Touch Panel            | Resistive film (analog, single touch)   | Resistive film (matrix, multi touch)  |
| Effective Display Area | 211.2 x 158.4 mm (8.31 x 6.24 in)   |   |
| Touch Panel Resolution | 1024 x 1024   | 32 x 24 keys/screen   |
| Backlight              | Backlight White LED (Not user replaceable. When replacement is required, contact customer support.) 50,000 hours or more (continuous operation at 25 °C [77 °F] before backlight brightness decreases to 25%) |   |
| Brightness Control     | 16 levels (Adjusted with touch panel or software)   |   |
| Interface              | USB (Type A)  | Conforms to USB 2.0 (Type A) x 1 Power supply voltage: 5 Vdc ±5 % Output Current: 500 mA/port Maximum transmission distance : 5 m (16.4 ft)   |
|                        | USB (Type - microB)   | Conforms to USB 2.0 (micro-B) x 1, Maximum transmission distance : 5 m (16.4 ft)  |
|                        | Ethernet  | IEEE802.3//IEEE802.3u, 10BASE-T/100BASE-TX, Connector: Modular jack (RJ-45) x 2   |
|                        | Serial (COM1)   | Asynchronous Transmission: RS-232C, Data Length: 7 or 8 bits, Stop Bit: 1 or 2 bits, Parity: None, Even or Odd, Data Transmission Speed: 2,400 to 115,200 bps, Connector: D-Sub 9 (plug)    |
|                        | Serial (COM2)   | Asynchronous Transmission: RS-422/485, Data Length: 7 or 8 bits, Stop Bit: 1 or 2 bits, Parity: None, Even or Odd, Data Transmission Speed: 2,400 to 115,200 bps, Connector: D-Sub 9 (plug) |
|                        | SD Card   | SD card slot x1, SD/SDHC/SDXC, UHS-1 supported  |

## General Specifications

|  |   |   |
|--|---|---|
| Model                                    | PFXGP6500TAD, PFXGP6500TADC*, PFXGP6500TMD  | PFXGP6500TAA, PFXGP6500TMA  |
| Input Voltage                            | Rated Input Voltage: 24 Vdc / Input Voltage Limits: 19.2 to 28.8 Vdc  | 100...240 Vac, 85...264 Vac, 50/60 Hz   |
| Power Consumption                        | 10 W or less (max), 6.8 W or less power not supplied to external devices, 4.5 W or less when screen turns off   | 100 Vac: 18.3 VA or less, 240 Vac: 29.1 VA or less  |
| In-Rush Current                          | 30 A or less  |   |
| Storage Temperature                      | -20 to 60 °C (-4 to 140 °F)   |   |
| Shock Resistance                         | IEC/EN 61131-2 compliant 147 m/s2, X, Y, Z directions for 3 times   |   |
| Certifications                           | CE (EN61000-6-4, EN61000-6-2, EN61131-2), UKCA, Marine (DNV, NK, CCS, ABS, LR, BV, RINA), UL 61010-2-201 and CSA C22.2 No 61010-2-201, UL 121201 Class 1 Div 2 and CSA C22.2 No213, KCs (coming soon), KC, RoHs, ATEX (coming soon), IECEx (Zones 2/22, equipment category 3 Gas Dust) (coming soon), CCC-Ex (coming soon), RCM (C-Tick), REACH | CE (EN61000-6-4, EN61000-6-2, EN61131-2), UKCA, UL 61010-2-201 and CSA C22.2 No 61010-2-201, UL 121201 Class 1 Div 2 and CSA C22.2 No213, KC, RoHs, RCM (C-Tick), REACH |
| Voltage Drop                             | 5 ms or less  |   |
| Corrosive Gas                            | Free of corrosive gases   |   |
| Pollution Degree                         | For use in pollution degree 2 environment   |   |
| Cooling method                           | Natural air circulation   |   |
| Dust                                     | 0.1 mg/m3 (10-7 oz/ft3) or less (non-conductive levels)   |   |
| Voltage Endurance                        | 1,000 Vac, 20 mA for 1 minute (between charging and FG terminals)   | 1,500 Vac for 1 minute (between power terminal and PE terminal)   |
| Vibration Resistance                     | IEC/EN 61131-2 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.)  |   |
| Insulation Resistance                    | 500 Vdc, 10 MΩ or more (between power terminal and FG terminal)   | 500 Vdc, 10 MΩ or more (between power terminal and PE terminal)   |
| Structure <sup>1</sup>                   | IP65F, UL 50/50E, Type 1, Type 4X (indoor use only), Type 12, and Type 13 (on the front panel when properly installed in an enclosure)  |   |
| Weight                                   | 1.9 kg (4.19 lb) or less  |   |
| External Dimensions                      | 272.5 x 214.5 x 58.5 mm (10.73 x 8.44 x 2.3 in)   |   |
| Panel Cut-Out Dimensions <sup>2, 3</sup> | 259 x 201 mm (10.2 x 7.91 in), Panel thickness area: 1.6...5 mm (0.06...0.2 in)   |   |
| Warranty                                 | Two (2) years   |   |

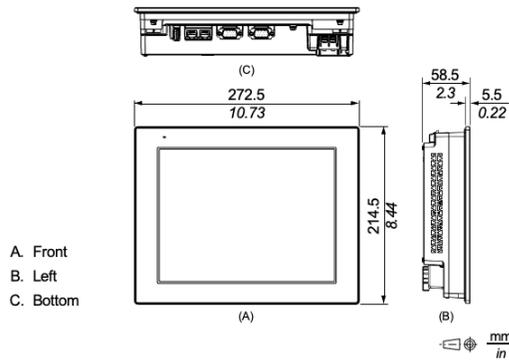
<sup>1</sup> The front face of this product, installed in a solid panel, has been tested using conditions equivalent to the standards shown in the specification. Even though this product's level of resistance is equivalent to these standards, oils that should have no effect on this product can possibly harm this product. This can occur in areas where either vaporized oils are present, or where low viscosity cutting oils are allowed to adhere to this product for long periods of time. If this product's front face protection sheet or cover glass peels off, these conditions can lead to the ingress of oil into this product and separate protection measures are suggested. Also, if non-approved oils are present, they may cause deformation or corrosion of the front panel's cover. Therefore, prior to installing this product, be sure to confirm the type of conditions that will be present in this product's operating environment. If the installation gasket is used for a long period of time, or if this product and its gasket are removed from the panel, the original level of protection cannot be kept. To maintain the original protection level, be sure to replace the installation gasket regularly.

<sup>2</sup> For dimensional tolerance, everything +1/-0 mm (+0.04/-0 in) and R in angle are below R3 mm (R0.12 in).

<sup>3</sup> Even if the installation wall thickness is within the recommended range for the Panel Cut Dimensions, depending on the wall's material, size, and installation location of this product and other devices, the installation wall could warp. To prevent warping, the installation surface may need to be strengthened.

\*Conformal Coated

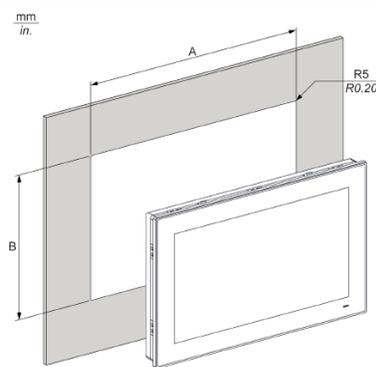
**External Dimensions**



**Ordering Information**

| Model Number | Description   |
|--------------|---|
| PFXGP6500T   | 10.4" SVGA TFT Screen, USB, Serial, Ethernet, 262,144 colors, SD card, advanced HMI |

**Panel Cut-Out Dimensions**



| Panel Cut Out | A   | B   | C                             |
|---------------|---|---|-------------------------------|
| 10.4"         | 259 mm (+1/-0 mm) (6.14 in [+0.04/-0 in]) | 201 mm (+1/-0 mm) (4.86 in [+0.04/-0 in]) | 1.6 to 5 mm (0.06 to 0.2 in.) |

**Pro-face America**  
 Phone: 734.477.0600  
 www.profaceamerica.com

**Customer Hotline: 800.289.9266**

For more information

**ACCESS**

www.profaceamerica.com