ST-6300TE Basic HMI

5.7" Basic HMI

ST-6300TE

Model: ST6000T Series

24 Vdc

VGA TFT | Aluminum Front Panel

GP-Pro EX

Features:
- Aluminum Front Panel
- 262,000 Colors
- Enhanced Cybersecurity
- Easy to Install
- Single Touch Analog Display
- 1 Ethernet Ports, Serial Ports, USB

Performance Specifications

Model		PFXST6300TADE
Graphics Display Resolution		VGA TFT (640 x 480 Pixels)
Display Type and Size		TFT Color LCD (5.7-inch)
Display Colors		262,144 colors
Touch Panel		Resistive film (analog, single touch)
Effective Display Area		115.2 x 86.4 mm (4.54 x 3.40 in)
ToucPanel Resolution		1024 x 1024
Backlight		Backlight White LED (Not user replaceable. When replacement is required, contact customer support.)
Backlight Service Life		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	IEEE802.3i/IEEE802.3u, 10BASE-T/100BASE-TX, Connector: Modular jack (RJ-45) x 1
	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)

General Specifications

Model	PFXST6300TADE
Input Voltage	Rated Input Voltage: 24 Vdc / Input Voltage Limits: 19.2 to 28.8 Vdc
Power Consumption	5.71 W or less when power is not supplied by external devices, 3.26 W or less when screen turns off the backlight (standby mode) (Max 8.9 W)
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	Underwriters Laboratories Inc., UL 121201 and CSA C22.2 No.213, for Industrial Control Equipment used in Class I, Division 2 Hazardous (Classi-fied) Locations, IECEx / ATEX for use in zone 2 gas /zone 22 dust, Directive 2014/34/EU (ATEX): ST-6•00TA only
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)
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
Structure	IP65F, UL 50/50E, Type 1, Type 4X (indoor use only), Type 13 (on the front panel when properly installed in an enclosure)
Weight	0.8kg (1.76 lb) or less
External Dimensions	169.5 x 137 x 58 mm (6.67 x 5.39 x 2.28 in)
Panel Cut-Out Dimensions	156 x 123.5 mm (6.14 x 4.86 in)[1] Panel thickness area: 1.6...5 mm (0.06...0.2 in)[2]
Warranty	Two (2) years

1 For dimensional tolerance, everything +1/-0 mm (+0.04/-0 in) and R in angle are below R3 (R0.12 in)
2 Even if the installation wall thickness is within the recommended range for the "Panel Cut Dimensions", depending on wall's material, size, and installation location of this product and other

External Dimensions

mm
in

169.5
6.67

137
5.39

58
2.28

5.0
0.20

(3)

(1)

(2)

1 Front
2 Left
3 Bottom
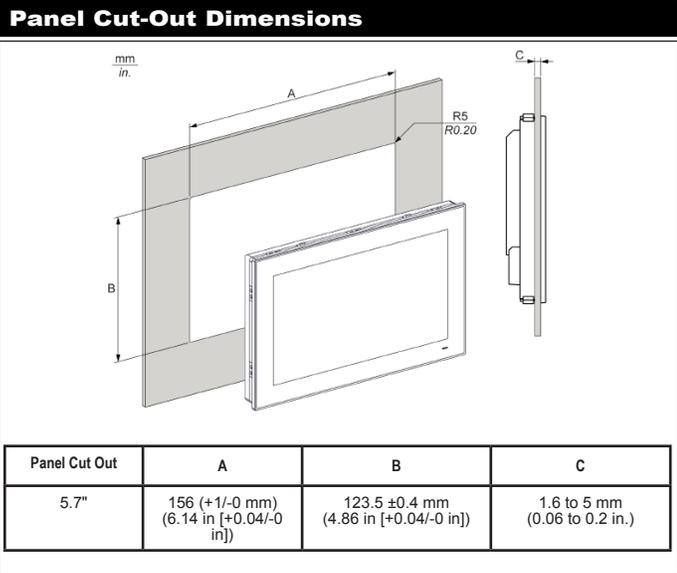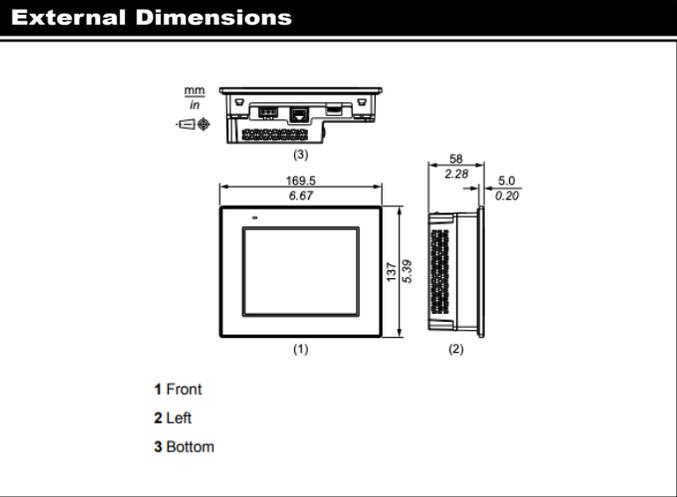
Ordering Information

Model Number	Description
PFXST6300TADE	5.7" Basic HMI 640 x 480 pixel 256,000 colors display with analog signal touch panel, Ethernet(RJ45) x 1, USB Host, 24VDC, Serial Ports (COM 1 & 2), USB

Panel Cut-Out Dimensions

mm
in.

R5
R0.20

A

B

C

Panel Cut Out	A	B	C
5.7"	156 (+1/-0 mm) (6.14 in [+0.04/-0 in])	123.5 ±0.4 mm (4.86 in [+0.04/-0 in])	1.6 to 5 mm (0.06 to 0.2 in.)

Options

Part Number	Description
PFXZC3AT1	Installation fastener (2 pieces/set).
PFXZGEBT1	Connector to Attach Power Supply
PFXZC5CNDCM1	Primary battery
PFXZHWG31	Installation Gasket for 5.7

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