ST-6600WA Basic HMI

Features:
- Aluminum Front Panel
- 16 Million Colors
- Enhanced Cybersecurity
- Easy to Install, No Tools Needed
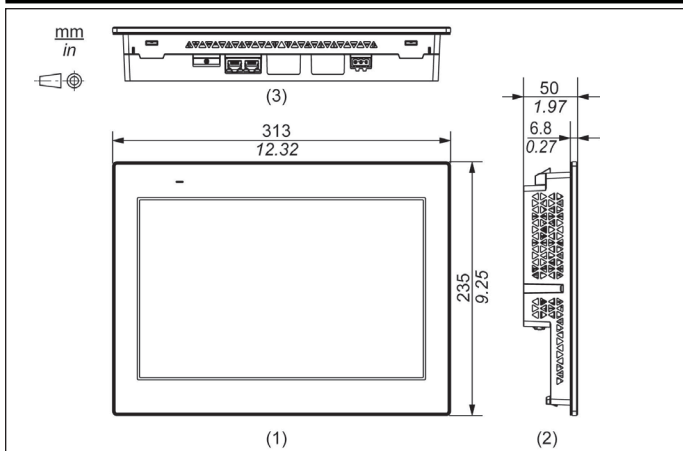- Single Touch Analog Display
- 2 Ethernet Ports, Serial Ports, USB

12.1" Wide Basic HMI

ST-6600WA

24 Vdc

Model: ST6000 Series

WXGA TFT | Aluminum Front Panel

BLUE

GP-Pro EX

c UL us LISTED | CE | CSA | Ro

Performance Specifications

Part Numbers		PFXST6600WAD (BLUE)	PFXST6600WADE (GP-Pro EX)
Graphics Display Resolution		WXGA TFT (1,280 x 800 Pixels)	
Display Type and Size		TFT Color LCD (12.1-inch) Wide	
Display Colors		16 million colors	
Touch Panel		Resistive film (analog, single touch)	
Effective Display Area		261.12 x 163.2 mm (10.28 x 6.43 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)	Connector: USB 2.0 (Type A) x 1, Power supply voltage: 5 Vdc ±5 %, Maximum current supplied: 500 mA, Communication 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 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)	

General Specifications

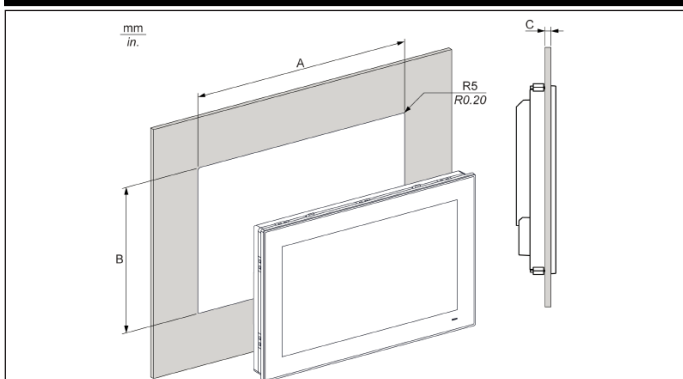|	
Part Numbers	PFXST6600WAD (BLUE) / PFXST6600WADE (GP-Pro-EX)
Input Voltage	Rated Input Voltage: 24 Vdc / Input Voltage Limits: 19.2 to 28.8 Vdc
Power Consumption	15 W or less when power is not supplied to devices via fron USB, 5.9 W or less when screen turns off the backlight (standby mode) (Max 18.4 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	UL 61010-2-201 and CSA C22.2 No61010-2-201, KC KN1, KN61000-6-2, RCM EN61000-6-4, CE EN 61131-2, EN61000-6-4, EN61000-6-2, RoHS, REACH Regulation EC 1907/2006, WEEE Directive 2012/19/EU
OperatingTemperature	0 to 50 °C (32 to 122 °F)
Voltage Drop	10 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, Type 1, Type 4X (indoor use only), Type 13 (on the front panel when properly installed in an enclosure) [1]
Weight	1.8 kg (3.97 lb) or less
External Dimensions	313 x 235 x 50 mm (12.32 x 9.25 x 1.97 in)
Panel Cut-Out Dimensions	295 x 217 mm (11.61 x 8.54 in)[2] 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
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(3)

313
12.32

235
9.25

(1)

50
1.97

6.8
0.27

(2)

Ordering Information

Model Number	Description
PFXST6600WAD	12.1"W Basic HMI 12.1"W 1280 x 800 pixel 16M colors display with analog signal touch panel, Ethernet(RJ45) x 2, USB Host, 24VDC, Serial Ports (COM 1 & 2) USB ports, programmable with BLUE.
PFXST6600WADE	12.1"W Basic HMI 12.1"W 1280 x 800 pixel 16M colors display with analog signal touch panel, Ethernet(RJ45) x 2, USB Host, 24VDC, Serial Ports (COM 1 & 2) USB ports, programmable with GP-Pro EX.

Panel Cut-Out Dimensions


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mm
in.
```

A

B

C

R5
R0.20

Panel Cut Out	A	B	C
12.1" Wide	295 ±0.7 mm (11.61 ±0.03 in.)	217 ±0.4 mm (8.54 ±0.02 in.)	1.6 to 5 mm (0.06 to 0.2 in.)

Options

Part Number	Description
PFXZCIAFTF1	Installation fastener (2 pieces/set).
PFXZCIWG123	Installation Gasket
CA5-DCCNM-01	Connector to connect DC power supply cables.
PFXZCDDS122	Disposable, dirt-resistant sheet for the display (5 sheets/set) for STW-6600WA.
FP-US00	Connects a USB device.
CA5-USBEXT-01	Extension cable that attaches USB interface to front panel.
PFXZCBCLUSA1	Clamp to prevent disconnection of USB cable (USB Type A, 1 port, 5 clamps/set)