

SP-5600WA Advanced Display

SP5000 SERIES



Features:

- WVGA Display TFT Touch Panel
- 262,144 colors
- 12-24 Vdc input voltage
- 0-60C operating temperature
- Compatible with power or open box modules
- Embedded mounting clips for easy installation
- WVGA provides higher resolution than SVGA

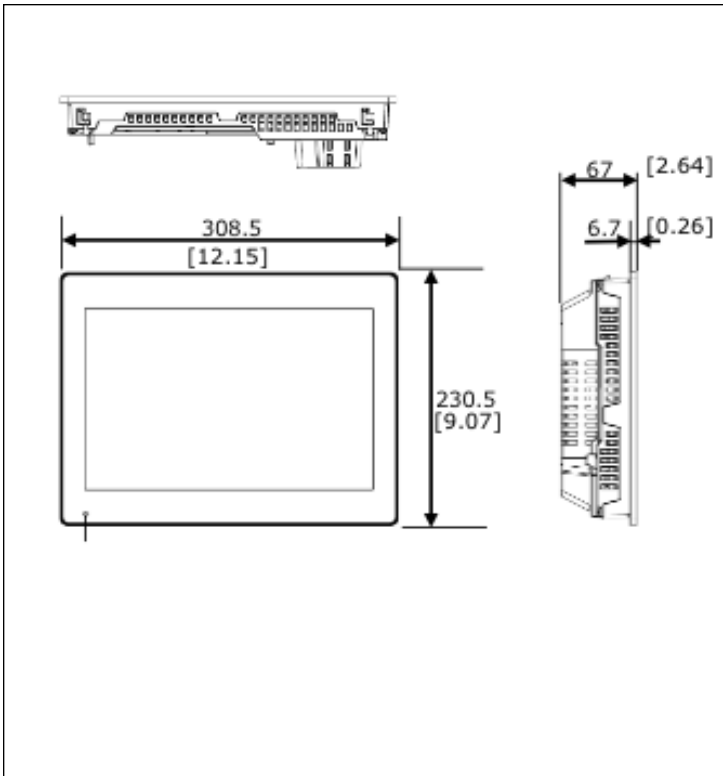
Performance Specifications

Model	SP-5600WA	
Part Number	PFXSP5600WAD	PFXSP5600WADF0C
Graphics Display Resolution	1,280 x 800 pixels (WVGA)	
Display Type and Size	TFT Color LCD 12"	
Display Colors	262,144 colors	
Effective Display Area	W261.1 x H163.2mm (W10.28 x H6.43 in.)	
Touch Screen	Resistive film (analog)	
Backlight	White LED (Not user replaceable. When replacement is required, contact your local distributor.)	
Backlight Service Life	50,000 hours or more (continuous operation at 25 °C [77 °F] before backlight brightness decreases to 50%)	
Brightness	Max.:400cd(Typ)Min.:4cd(Typ) 0...100 (Adjusted with touch panel or software) ^{*1}	
<small>*1 The maximum and minimum brightness Value is the reference Value, because there are individual differences by the liquid crystal.</small>		

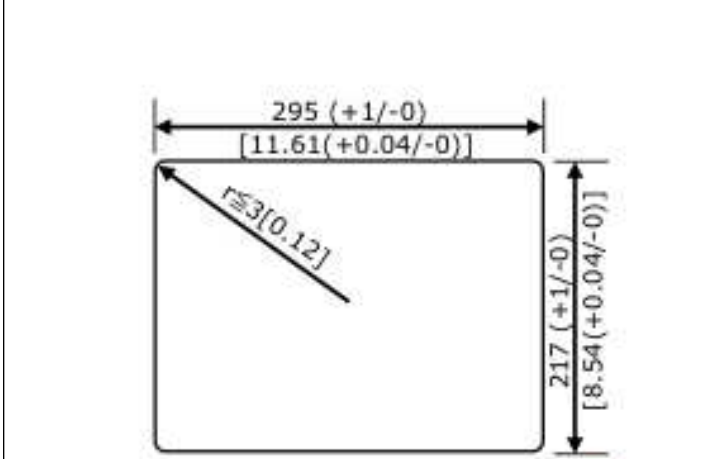
General Specifications

Models	SP-5600WA	
Part Number	PFXSP5600WAD	PFXSP5600WADF0C
Conformal Coating	-	Yes
Input Voltage	12-24 Vdc (limits 10.8 -29.9 Vdc)	
Voltage Drop	12 Vdc: 1.25 ms or less/ 24 Vdc: 5 ms or less	
In-Rush Current	30 A or less	
Voltage Endurance	1,000 Vac, 20 mA for 1 minute (between charging and FG terminals)	
Insulation Resistance	500 Vdc, 10 MQ or more (between charging and FG terminals)	
Power Consumption ^{*1}	11.5W (max), 2.5 or less (When screen turns off the backlight (Standby Mode), 6W or less (when screen backlight 20%)	
Surrounding Air Temperature	0...60 °C [32...140 °F]	
Storage Temperature	-20...60 °C [-4...140 °F]	
Certifications	CE, RoHS, GOST-R, UL/c-UL, KC	
Ratings ^{*2}	IP66F, IP67F, TYPE 4X (Indoor Use Only)/13 (on the front panel when properly installed in an enclosure), ANSI/ISA 12.12.0 1, UL508, EN61000-6-4, EN61000-6-2, Class 1 Div 2 Groups A, B, C, and D	
Surrounding Air and Storage Humidity	10%...90% RH (Non condensing, wet bulb temperature 39 °C [102.2 °F] or less)	
Dust	0.1 mg/m3 (10-7 oz/ft3) or less (non-conductive levels)	
Pollution Degree	For use in Pollution Degree 2 environment	
Corrosive Gas	Free of corrosive gases	
Atmospheric Pressure (Operating Altitude)	800...1,114 hPa (2,000 m [6,561 ft] or lower)	
Vibration and Shock Resistance	IEC/EN 61131-2 compliant	
Electrostatic Discharge Immunity	Contact Discharge Method: 6 kV (IEC/EN 61000-4-2 Level 3)	
Weight ^{*4}	3kg (6.6 lb) or less	
External Dimensions ^{*3}	W308.5 x H230.5 x D67mm (W12.15 x H9.07 x D2.64 in.)	
Panel Cut Dimensions	W295 x H217 mm (W11.61 x H8.54 in.)	

External Dimensions



Panel-Cut Out Dimensions



Panel thickness area: 1.6...5 [0.06...0.2]^{*5}

^{*5} 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 devices, the installation wall could warp. To prevent warping, the installation surface may need to be strengthened.

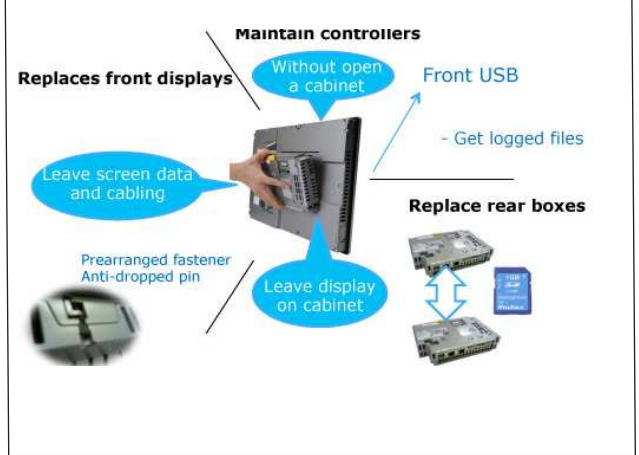
Ordering Information

Type	Model Numbers	Description
SP-5600WA	PFXSP5600WAD	12-inch TFT, 262,144 colors, WVGA 1280 x 800 pixels, Analog Touch Panel,
SP-5600WA Conformal Coating	PFXSP5600WADF0C	12-inch TFT, 262,144 colors, WVGA 1280 x 800 pixels, Analog Touch Panel, with conformal coating

Options

Part Number	Product Name	Description
PFXZCDDS12	12-inch Wide Screen Protection Sheet	Disposable, dirt-resistant sheet for the display (5 sheets/set)
PFXZCDWG12	12-inch Wide Installation Gasket.	Provides dust and moisture resistance when SP is installed into a solid panel (1 piece)

Modular Design and Easy Maintenance



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