





SP-5700WC Model: PFXSP5700WCD



SP-5700TP
Model: PFXSP5700TPD



SP-5660TP Model: PFXSP5660TPD



SP-5600TP SP Model: PFXSP5600TPD Mod

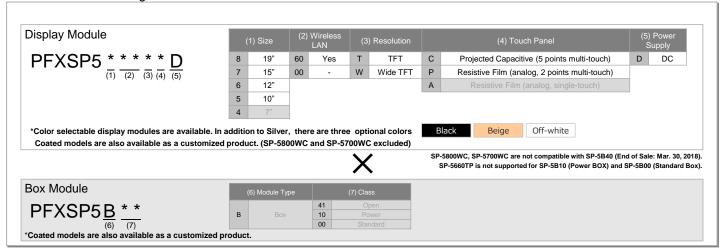


SP-5500TP Model: PFXSP5500TPD

SP5000 Series is a combined unit of Display Module and Box Module.

The power consumption or weight for the combined unit equals each sum of power consumption or weight of the two modules.

■ Model Number Configuration



■ Display Specifications

■ Display Specific	calions					
			Premiun	n Display		
	SP-5800WC	SP-5700WC	SP-5700TP	SP-5660TP	SP-5600TP	SP-5500TP
Display Type			TFT co	lor LCD		
Display Size	19" wide	15" wide	15"	1.	2"	10"
Resolution	1,366 x 768 pixels (FWXGA)			1,024 x 768 pixels (XGA)		800 x 600 pixels (SVGA)
Auto Scaling			Y	es		
Effective Display Area	W409.8 x H230.4mm (W16.13 x H9.07 in)	W344.2 x H193.5mm (W13.55 x H7.62 in)	W304.1 x H228.1mm (W11.97 x H8.98 in.)		H184.3mm H7.26 in.)	W211.2 x H158.4mm (W8.31 x H6.24 in.)
Display Colors			16 millio	n colors		
Backlight		White LED (Not user re	placeable. When replacemer	nt is required, contact your lo	cal Pro-face distributor.)	
Backlight Service Life		50,000 hours or more (co	ntinuous operation at 25 °C	[77 °F] before backlight brigh	ntness decreases to 50%)	
Brightness Control			0100 (Adjusted with t	ouch panel or software)		
Brightness Sensor			Y	es		
Front USB Interface	Yes					
Touch Panel Type	Projected Capacitive (5 points multi-touch) Resistive Film (analog, 2 points multi-touch)					
Touch Panel Resolution	2,048 x 2,048 1,024 x 1,024					
Touch Panel Service Life	50 million times or more 1 million times or more					

■ Electrical Specifications

LICC	Julical Opec	incations						
				Premium	Display			
		SP-5800WC	SP-5700WC	SP-5700TP	SP-5660TP	SP-5600TP	SP-5500TP	
Rated	Input Voltage	1224 Vdc						
Input \	Voltage Limits			10.82	8.8 Vdc			
Vo	oltage Drop			12 Vdc : 1.25 ms or less	24 Vdc: 5 ms or less			
\Box	Max	19 W	17 W	22 W	23 W	21 W	15 W	
Sup	hen power is not pplied to devices via front USB	16 W or less	14 W or less	19 W or less	20 W or less	18 W or less	12 W or less	
Wh or (S	hen screen turns off the backlight Standby Mode)	8 W or less	6 W or less	6 W or less	8 W or less	6 W or less	6 W or less	
1 1	When screen backlight 20%	9 W or less	8 W or less	11 W or less	13 W or less	11 W or less	8 W or less	
In-R	Rush Current	30 A or less						
Nois	se Immunity	Noise voltage: 1,000 Vp-p, pulse duration: 1 µs, rise time: 1 ns (via noise simulator)						
Voltaç	ge Endurance		1,000 Vac, 20 mA for 1 minute (between charging and FG terminals)					
Insulation Resistance 500 Vdc, 10 MΩ or more (between charging and FG terminals)								

^{*1} Power Consumption for Display Module only.

■ Environmental Specification

			Premiun	n Display			
	SP-5800WC	SP-5700WC	SP-5700TP	SP-5660TP	SP-5600TP	SP-5500TP	
Surrounding Air Temperature	055 °C (3	2131 °F)	060 °C (32140 °F)				
Storage Temperature			-2060 °C	(-4140 °F)			
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 D	Degree 2 environment			
Corrosive Gases		Free of corrosive gases					
Atmospheric Pressure (Operating Altitude)	8001,114 hPa (2,000 m [6,561 ft] or lower)						
Vibration Resistance	IEC/EN 61131-2 compliant 59 Hz Single amplitude 3.5 mm (0.14 in.) 9150 Hz Fixed acceleration: 9.8 m/s2 X. Y. Z directions for 10 cycles (approx. 100 min.)						
Shock Resistance	IEC/EN 61131-2 compliant 147 m/s2, X, Y, Z directions for 3 times						
Electrical fast transient/burst	IEC 61000-4-4 2 kV: Power port (display unit) 1 kV: Signal ports						
Electrostatic Discharge Immunity		С	ontact Discharge Method: 6	kV (IEC/EN 61000-4-2 Level	3)		

■ Interface Specification

·	Premium Display					
	SP-5800WC	SP-5700WC	SP-5700TP	SP-5660TP	SP-5600TP	SP-5500TP
Wireless LAN	-	-	-	Yes	-	-
USB (Type A) *2	Connector: USB 2.0 (Type A) x 1, Power Supply Voltage: 5 Vdc ±5 %, Maximum Current Supplied: 500 mA, Maximum Transmission Distance: 5 m (16.4 ft)					
USB (mini B)	Connector: USB 2.0 (mini B) x 1, Maximum Transmission Distance: 5 m (16.4 ft)					

^{*2} When using the Display Module with the Power Box, you can connect only one of each type of USB device, such as one USB flash drive, one transfer cable, or one bar code reader. If you connect multiple devices that are the same type, only the first device will work.

■ Wireless LAN Specification (Only for SP-5660TP)*3 *4

Standards	IEEE802.11b/IEEE802.11g/IEEE802.11n
Frequency Bandwidth	2.4 GHz
Channel Bandwidth	20 MHz
Channel	Access Point mode*5: 111ch Client mode*6: North America US: 111 ch, Japan JP: 113 ch, Europe EU: 113 ch, Korea KR: 113 ch, China CN:113 ch, Taiwan TW: 111 ch
Transmission Speed	IEEE802.11b: max 11Mbps, IEEE802.11g: max 54 Mbps, IEEE802.11n: max 72.2 Mbps
Action Mode	Client mode/Access Point mode
Communication Mode	Infrastructure
Network Authentication	Open, WPA-Personal, WPA2-Personal
Data Encryption	WEP (128 bit)(Open)*7, AUTO/TKIP (WPA-Personal), AES (WPA2-Personal)
Maximum Client Connections	10
Transmission Distance	You can connect only from the front of the display. The connection angle and distance depend on your operating environment, applications in use, and target communication devices. Conduct an operation test, including directivity, in the operating environment before use.

- *3 Use Wireless LAN in a configuration with Open Box Module combined.
 *4 Do not use wireless communication for operation of device units. It's necessary to consider possibilities of communication interference.
 *5 In Access Point mode, IEEE802.11d is not supported.
 *6 If the surrounding access points do not support IEEE802.11d, channels are limited, from 1 to 11 ch.
 *7 In Access Point mode, WEP is not supported.

■ Structural Specification

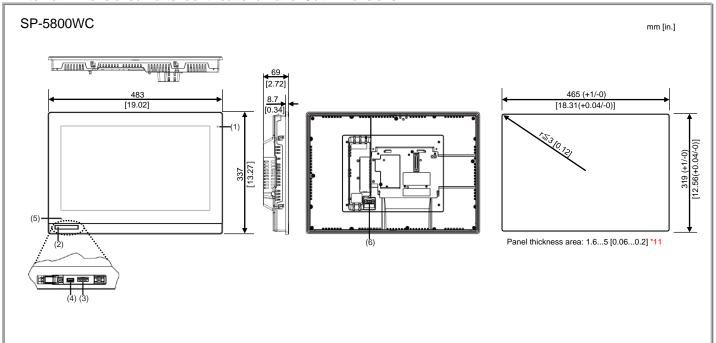
- Otructural Opci		Premium Display						
				' '				
	SP-5800WC	SP-5700WC	SP-5700TP	SP-5660TP	SP-5600TP	SP-5500TP		
Grounding		Functional grounding: Grounding resistance of 100Ω , 2 mm2 (AWG 14) or thicker wire, or your country's applicable standard (same for FG and SG terminals).						
Cooling Method			Natural air	circulation				
Structure *8	When using a factory-installed front USB cover: IP65F, IP67F. When using a front USB cover option (PFXZCDCVUS1): IP66F, IP67F, Type 4X (Indoor Use Only)/13 * The front face of this product when properly installed in an enclosure and not using the front panel USB port.							
External Dimensions	W483 x H337 x D69 mm (W19.02 x H13.27 x D2.72 in.)	W397 x H296 x D67 mm W315 x H241 x D67 mm			W272.5 x H214.5 x D67 mm (W10.73 x H8.44 x D2.64 in.)			
Panel Cut Dimensions *9	W465 x H319 mm (W18.31 x H12.56 in.)	W396 x H277 mm (W15.59 x H10.91 in.)	W383.5 x H282.5mm (W15.1 x H11.12 in.)		H227.5 mm H8.96 in.)	W259 x H201 mm (W10.2 x H7.91 in.)		
Weight *10	6.8 kg (15.0 lb) or less	5 kg (11.0 lb) or less	4.5 kg (9.9 lb) or less	3.2 kg (7.1	lb) or less	2.7 kg (5.9 lb) or less		

^{*8} The front face of this product, installed in a solid panel, has been tested using conditions equivalent to the standards shown in the specification.

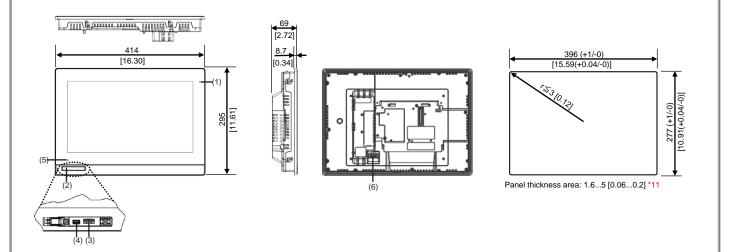
*9 For dimensional tolerance, everything +1/-0mm (+0.04/-0 in.) and R in angle are below R3 (R0.12 in.)

*10 Weight for Display Module only

■ External Dimensions / Parts Identification / Panel Cut Dimensions



SP-5700WC

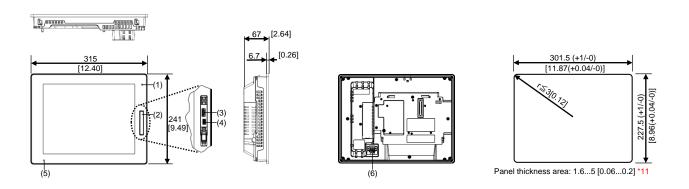


(1)Brightness Sensor (2)Front USB Cover (3)USB (Type A) Interface (4)USB (mini B) Interface (5)Status LED (6)Power Supply Connector

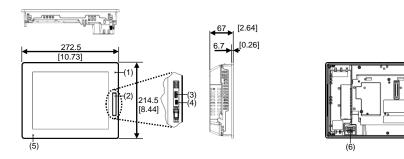
■ External Dimensions / Parts Identification / Panel Cut Dimensions

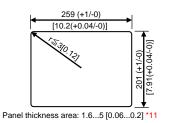
SP-5700TP mm [in.] 383.5 (+1/-0) [15.63] (0/1) (15.1(+0.04/-0)) Panel thickness area: 1.6...5 [0.06...0.2] *11

SP-5660TP / SP-5600TP



SP-5500TP





(1)Brightness Sensor (2)Front USB Cover (3)USB (Type A) Interface (4)USB (mini-B) Interface (5)Status LED (6)Power Supply Connector

Display Module - Advanced Display







SP-5600WA Model: PFXSP5600WAD



SP-5500WA
Model: PFXSP5500WAD



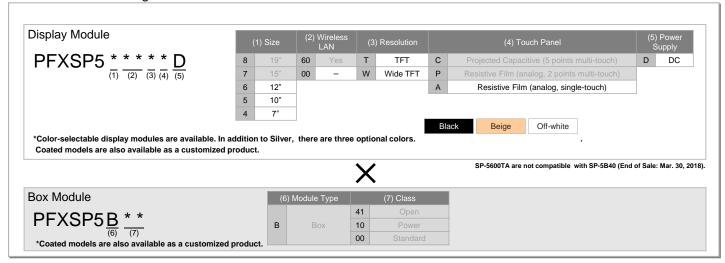
SP-5400WA

Model: PFXSP5400WAD

SP5000 Series is a combined unit of Display Module and Box Module.

The power consumption or weight for the combined unit equals each sum of power consumption or weight of the two modules

■ Model Number Configuration



■ Display Specifications

	Advanced Display					
	SP-5600TA	SP-5600WA	SP-5500WA	SP-5400WA		
Display Type	TFT color LCD					
Display Size	12.1"	12" wide	10" wide	7" wide		
Resolution	1,024 x 768 pixels (XGA)	1,280 x 800 pixels (WXGA)	1,280 x 800 pixels (WXGA)	800 x 480 pixels (WVGA)		
Auto Scaling			-			
Effective Display	W245.8 x H184.3 mm	W261.1 x H163.2 mm	W217.0 x H135.6 mm	W154.1 x H95.9 mm		
Area	(W9.68 x H7.26 in.)	(W10.28 x H6.43 in.)	(W8.54 x H5.34 in.)	(W6.06 x H3.78 in.)		
Display Colors		262,14	4 colors			
Backlight	White L	ED (Not user replaceable. When replaceme	nt is required, contact your local Pro-face distr	ibutor.)		
Backlight Service Life	50,000 ho	ours or more (continuous operation at 25 °C	[77 °F] before backlight brightness decreases	s to 50%)		
Brightness Control		0100 (Adjusted with	ouch panel or software)			
Brightness Sensor			-			
Front USB Interface			-			
Touch Panel Type		Resistive F	ilm (analog)			
Touch Panel Resolution	1,024 x 1,024					
Touch Panel Service Life		1 million tir	nes or more			

■ Electrical Specifications

_	■ Electrical Specifications							
			Advanced	l Display				
		SP-5600TA	SP-5600WA	SP-5500WA	SP-5400WA			
Ra	ited Input Voltage		1224 Vdc					
Inp	out Voltage Limits		10.828	3.8 Vdc				
	Voltage Drop		12 Vdc: 1.25 ms or less	24 Vdc: 5 ms or less				
	Max	10.0 W	11.5 W	8.5 W	6.5 W			
Power Consumption	When power is not supplied to devices via front USB	- -						
sumption *	When screen turns off the backlight (Standby Mode)		2.5 W or less					
1	When screen backlight 20%	5.7 W or less	6 W or less	5 W or less	4 W or less			
ı	n-Rush Current	30 A or less						
	Noise Immunity	Noise voltage: 1,000 Vp-p, pulse duration: 1 µs, rise time: 1 ns (via noise simulator)						
Vo	oltage Endurance		1,000 Vac, 20 mA for 1 minute (between charging and FG terminals)					
Insulation Resistance 500 Vdc, 10 MΩ or more (between charging and FG terminals)								

^{*1} Power Consumption for Display Module only.

Display Module - Advanced Display

■ Environmental Specification

	Advanced Display								
	SP-5600TA	SP-5600WA	SP-5500WA	SP-5400WA					
Surrounding Air Temperature		060 °C (32140 °F)							
Storage Temperature		-2060 °C (-4140 °F)							
Surrounding Air and Storage Humidity		10%90% RH (Non condensing, wet b	oulb temperature 39 °C [102.2 °F] or less)						
Dust		0.1 mg/m3 (10-7 oz/ft3) o	less (non-conductive levels)						
Pollution Degree		For use in Pollution	Degree 2 environment						
Corrosive Gases		Free of co	rrosive gases						
Atmospheric Pressure (Operating Altitude)	8001,114 hPa (2,000 m [6,561 ft] or lower)								
		IEC/EN 611	31-2 compliant						
Vibration			litude 3.5 mm (0.14 in.)						
Resistance			cceleration: 9.8 m/s2						
			cycles (approx. 100 min.)						
Shock Resistance			31-2 compliant directions for 3 times						
Electrical fast		IEC 61000-4-4 2 kV: Power port (display unit)							
transient/burst	1 kV: Signal ports								
	Contact discharge method: 6 kV								
Electrostatic			e method: 8 kV						
Discharge Immunity		(IEC/EN 610	00-4-2 Level 3)						

■ Interface Specification

	Interface Specification							
	Advanced Display							
	SP-5600TA SP-5600WA SP-5500WA SP-5400WA							
Wireless LAN		-						
USB (Type A)	-							
USB (mini B)	-							

■ Structural Specification

		Advanced Display						
	SP-5600TA	SP-5600WA	SP-5500WA	SP-5400WA				
Grounding	Functional grounding: Grounding resistance of 100 Ω , 2 mm2 (AWG 14) or thicker wire, or your country's applicable standard (same for FG and SG terminals).							
Cooling Method		Natural air circulation						
Structure *8		IP66F, IP67F, TYPE 4X (Indoor Use Only)/13 * on the front panel when properly installed in an enclosure.						
External Dimensions	W315 x H241 x D67 mm (W12.4 x H9.49 x D2.64 in.)	W308.5 x H230.5 x D67 mm (W12.15 x H9.07 x D2.64 in.)	W268.5 x H198.5 x D67 mm (W10.57 x H7.81 x D2.64 in.)	W203.6 x H148.6 x D36 mm (W8.02 x H5.85 x D1.42 in.)*12				
Panel Cut Dimensions *9	W301.5 x H227.5 mm (W11.87 x H8.96 in.)	W295 x H217 mm (W11.61 x H8.54 in.)	W255 x H185 mm (W10.04 x H7.28 in.)	W190 x H135 mm (W7.48 x H5.31 in.)				
Weight *10	3.2 kg (7.1 lb)or less	3 kg (6.6 lb) or less	2.5 kg (5.5 lb) or less	1.2 kg (2.6 lb) or less				

^{*8} The front face of this product, installed in a solid panel, has been tested using conditions equivalent to the standards shown in the specification.

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

*10 Weight for Display Module only

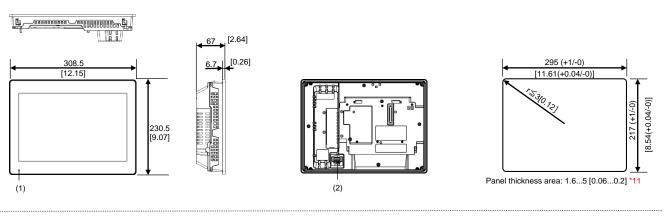
*12 When combined with Box Module, the depth is 67 mm (2.64 in.).

Display Module - Advanced Display

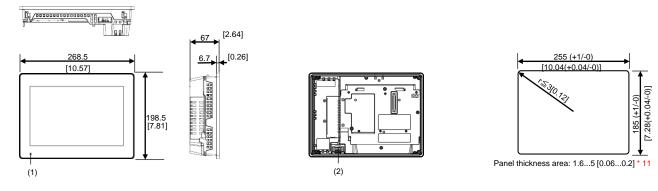
■ External Dimensions / Parts Identification / Panel Cut Dimensions

SP-5600TA mm [in.] 315 [12.40] [1] [9.49] [1] [9.49] [2.64] [1] [1] [1] [1] [2.64] [1] [1] [2.64] [1] [2.64] [1] [2.64] [1] [2.64] [2.64] [2.64] [301.5 (+1/-0) [11.87(+0.04/-0)] [11.87(+0.04/-0)] [2.64]

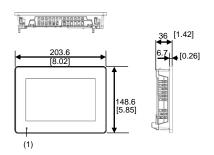
SP-5600WA

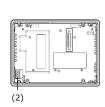


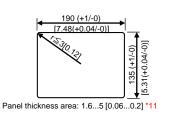
SP-5500WA



SP-5400WA







(1)Status LED (2)Power Supply Connector