# Box Module





SP-5B41 Model: PFXSP5B41

SP-5B10 Model: PFXSP5B10

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 Module	(1) Size		(2) Wireless LAN		(3) Resolution		(4) Touch Panel		(5) Power Supply	
PFXSP5 * * * * * D	8	19"	60	Yes	Т	TFT	С	Projected Capacitive (5 points multi-touch)	D	DC
$\overline{(1)}  \overline{(2)}  \overline{(3)}  \overline{(4)}  \overline{(5)}$	7	15"	00	-	W	Wide TFT	Р	Resistive Film (analog, 2 points multi-touch)		
	6	12"					А	Resistive Film (analog, single-touch)	1	
	5	10"								
	4	7"								
*Color selectable display modules are avail		1	to Sil <sup>,</sup>	ver, ther	e are	three optio	onal c	colors, Black Beige Off-white		
*Color selectable display modules are avail Coated models are also available as a cust	able. In	addition	to Sil <sup>,</sup>	ver, ther	e are	three optic	onal c	colors, Black Beige Off-white		
• •	able. In	addition	to Sil <sup>,</sup>	ver, ther	e are	three optio	onal c	colors, Black Beige Off-white		
• •	able. In	addition	to Sil <sup>,</sup>	ver, ther	e are	three optio	onal c	colors, Black Beige Off-white		
Coated models are also available as a cust	able. In tomized	addition f			X	·	onal c	colors, Black Beige Off-white		
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• •	able. In tomized	addition f	уре		7) Clas	·	onal c	colors, Black Beige Off-white	]	

## Electrical Specifications

		Open Box	Power Box
		SP-5B41	SP-5B10
Rated	Input Voltage	12 Vdc (Supply fro	m Display Module)
Power	Max	25 W	25 W
Consum ption*13	When power is not supplied to external devices		12.5 W or less

\*13 Power consumption for Box Module only

### Environmental Specifications

	Open Box	Power Box			
	SP-5B41	SP-5B10			
Surrounding Air Temperature	060 °C (3	060 °C (32140 °F)			
Storage Temperature	-2060 °C	-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 l	0.1 mg/m3 (10-7 oz/ft3) or less (non-conductive levels)			
Pollution Degree	For use in Pollution D	For use in Pollution Degree 2 environment			
Corrosive Gases	Free of corr	Free of corrosive gases			
Atmospheric Pressure (Operating Altitude)	8001,114 hPa (2,000	8001,114 hPa (2,000 m [6,561 ft] or lower)			
	IEC/EN 6113	IEC/EN 61131-2 compliant			
Vibration Resistance	59 Hz Single amplit	ude 3.5 mm (0.14 in.)			
VIDIALION RESISTANCE	9150 Hz Fixed act	9150 Hz Fixed acceleration: 9.8 m/s2			
	X, Y, Z directions for 10 c	X, Y, Z directions for 10 cycles (approx. 100 min.)			
Shock Resistance	IEC/EN 6113	1-2 compliant			
SHOCK RESISTANCE	147 m/s2, X, Y, Z di	147 m/s2, X, Y, Z directions for 3 times			
	Noise Voltage	e: 1,000 Vp-p			
Niciona Inconsumitur	Pulse Duration: 1 µs				
Noise Immunity	Rise Time: 1 ns				
	(via noise	simulator)			
Electrostatic Discharge Immunity	Contact Discharge Method : 6	Contact Discharge Method : 6 kV (IEC/EN 61000-4-2 Level 3)			

# **Box Module**

### Memory

	Open Box	Power Box	
	SP-5B41	SP-5B10	
Application Momony	Screen Size: 64 MB *CFast card	Screen Size: 64 MB *SD card	
Application Memory	Free Space: About 17 GB *14	Free Space: None	
Backup Memory	NVRAM 320 KB		
Control Memory	-	64 KB	

\*14 You can install the applications you have used. As for hardware specifications, the CPU is Intel® Atom E3825 1.33GHz (Dual core/Dual thread) and the main memory is 'DDR3L SDRAM 2GB'. For the other hardware specifications, refer to "SP5000 Series Open Box Reference Manual".

### Interface Specifications

	Open Box	Power Box		
	SP-5B41	SP-5B10		
Serial Interface COM1	Parity: None, odd, or even, Data Transmiss	i: 7 or 8 bits, Stop Bit: 1 or 2 bits sion Speed: 2,400(1,200)to 115,200 bps Sub 9 pin (plug)		
Serial Interface COM2	RS-232C/422/485, Data Length: 7 or 8 bits Stop Bit: 1 or 2 bits Parity: None, odd, or even Data Transmission Speed: 2,400(1,200)115,200 bps Connector: D-Sub 9 pin (plug)	RS-232C/422/485, Data Length: 7 or 8 bits Stop Bit: 1 or 2 bits Parity: None, odd, or even Data Transmission Speed: 2,400(1,200)115,200 bps, 187,500bps (MPI) Connector: D-Sub 9 pin (plug)		
USB (Type A) Interface *2	Connector: USB 2.0 (Type A) x 3 Power Supply Voltage: 5 Vdc ±5% Maximum Current Supplied: 500 mA /port, 1 A total for 3 ports Maximum Transmission Distance: 5 m	Connector: USB 2.0 (Type A) x 2 Power Supply Voltage: 5 Vdc ±5% Maximum Current Supplied: 500 mA / port Maximum Transmission Distance: 5 m		
USB (mini-B) Interface	Connector: USB 2.0 (mini-B) x 1, Maxin	num Transmission Distance: 5m (16.4 ft)		
Ethernet Interface	Standard: IEEE802.3i/IEEE802.3u/IEEE802.3ab, 10BASE-T/100BASE-TX/1000BASE-T Connector: Modular jack (RJ-45) x 2			
SD Card Interface	SD Card Slot (Storage) x 1	SD Card Slot (System) x 1 SD Card Slot (Storage) x 1		
CFast Card Interface	CFast Card Slot (System) x 1 CFast Card Slot (Storage) x 1	-		
Video Interface	DVI-D OUT Connector: DVI-D 24 pin (socket) x 1	-		
Sound Input Interface	Sound Input: MIC or LINE input (software switch) Connector: MINI-JACK Ø3.5 x 1	-		
Sound Output Interface	Speaker Output: 300 mW (Rated Load: 8 Ω, Frequency : 1kHz) LINE Output: Rated load: 10 kΩ or more Connector: 2-piece terminal block (AUX) x 1			
AUX Input /Output Interface	Alarm Output / Buzzer Output Rated Voltage: 24 Vdc, Rated Current: 50 mA or less Connector: 2-piece terminal block x 1			

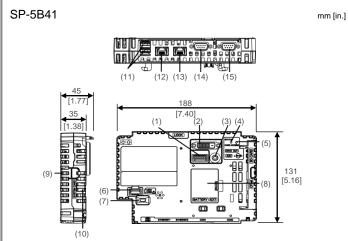
\*2 When using the Display Module with the Power Box, you can connect only one of each type of USB device, such as one USB flash drive, one transfer cable, or one bar code reader. If you connect multiple devices that are the same type, only the first device will work.

### Structural Specifications

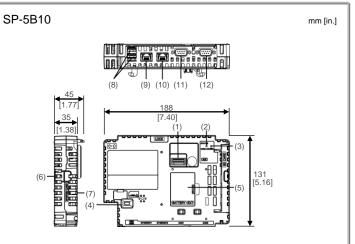
	Open Box	Power Box		
	SP-5B41	SP-5B10		
Cooling Method	Natural air circulation			
External Dimensions *15	W188 x H131 x D45 mm (W7.4 x H5.16 x D1.77 in.)			
External Dimensions 13				
Weight *15	0.9 kg (1.98 lb) or less			

\*15 External Dimensions and Weight for Box Module only

# External Dimensions / Parts Identifications



(1)Auxiliary Output/Speaker Output Interface (AUX) (2)DVI-D Output Interface (3)AUDIO Input Interface (LIN/MIC) (4)Status LED (5)Card Access LED (6)USB (Type A) Interface (7)USB (mini-B) Interface (8)Expansion Unit Interface Cover (EXT) (9)Storage Card Cover (10)System Card Cover (11)USB (Type A) Interface (12)Ethernet Interface (ETH1) (13)Ethernet Interface (ETH2) (14)Serial Interface (COM1) (15)Serial Interface (COM2)



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