

# PS5821W Slim Industrial PC (Enclosed Model)



**Features:**

- Core™ i3-4010U 1.7 GHz
- Fan-less Design
- IP66 Compliance
- Extensive Connectivity
- Multi-touch display
- Slim Versatile Design
- VESA Mounting
- Power Consumption: 60W (max.)

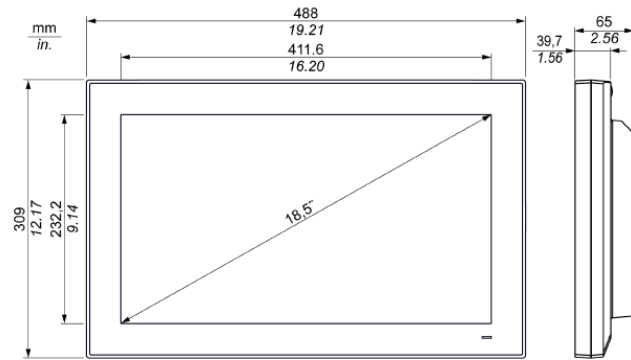
**Performance Specifications**

Models	PS5000 Series Build to order (See reverse side for ordering information)	
Graphics Display Resolution	FWXGA TFT (1,366 x 768 pixels)	
Display Type and Size	TFT Color LCD (18.5-inch) (Wide 16:9)	
Display Colors	16.7 Million	
Touch Panel	Multi-touch (5 point simultaneous touch) projected capacitive	
Graphics Accelerator	Intel (R) HD Graphics 4400	
Panel Resolution	4096 x 4096	
Supported OS	Windows® 7 Ultimate 64 bit MUI Windows® Embedded Standard 7 (WES7P) 64 bit MUI Windows® Embedded 8.1 Industry 64 bit MUI	
CPU	Core™ i3-4010U 1.7 GHz	
Main Memory	8GB: DDR3L 1600 MHz, SO-DIMM SDRAM	
Video Memory	Up to 1.7 GB (Shared System Memory)	
Interfaces	Serial (COM1)	RS-232C ( M12 A-coding, 8-pin Plug)
	Serial ATA	HDD or SSD x1
	Ethernet (LAN1)	10/100/1000 Mbit/s (M12 A-coding, 8-pin Socket)
	Ethernet (LAN2)	10/100/1000 Mbit/s (M12 A-coding, 8-pin Socket)
	USB	USB 2.0 x 1 (M12 A-coding, 8-pin Socket)

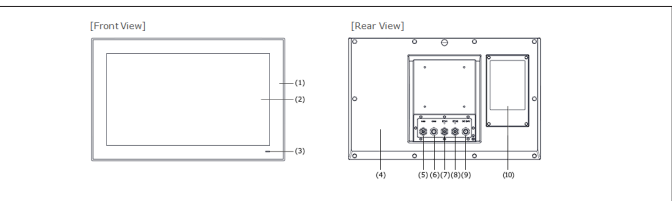
**General Specifications**

Models	PS5000 Series (Build to Order)
Input Voltage	DC Power Model: 24 Vdc ±20 % (M12 A-coding, 8-pin Female)
Power Consumption	35 W (Max. 60 W)
In-Rush Current	7 A
Storage Temperature	- 20 to +60 °C (- 4 to +140 °F)
Concussion Resistance	IEC60068-2-27 Ea Test
Certifications	CE (EN61000-6-4, EN61000-6-2, EN61131-2), CSA/UL60950, RCM (C-Tick), EAC (GOST-R), RoHS, REACH, CCC, KC, WEEE
Surrounding Air Temperature	When using SSD running: 0 to 50 ° [32 to 131 °] When using HDD running: 0 to 45 ° [32 to 113 °]
Ambient/Storage Humidity	10 to 95 % RH (Wet bulb temperature: 40 °C [104 °F] max. - no condensation)
Pollution Degree	For use in pollution degree 2 environment
Cooling Method	Passive heat sink
Air Pressure (altitude range)	2,000 m (6,560 ft) max
Vibration Resistance	Operation for products with SSD or CF card storage device: 5 to 500 Hz: 2 Grms Operation for products with HDD storage device: 5 to 500 Hz: 1 Grms
Electromagnetic Compatibility	Immunity to High Frequency Interference. Electromagnetic Emissions Class A
Structure	IP66 (All Around)
Weight	8.0 kg [17.63 lb]
External Dimensions	W488.0 x H309.0 x D65 mm [W19.21 x H12.17 x D2.56 in.]
Panel Cut-Out Dimensions	N/A Vesa Mounted
Warranty	Two (2) years

**External Dimensions**



**Connector Definitions**



(1) Panel (2) Multi-touch Panel (3) Status Indicator (4) Cover (5) USB 2.0 with M12 connector 8-pin female (6) RS-232 with M12 connector 8-pin male (7) ETH1 10 / 100 / 1000 base-T with M12 connector 8-pin female (8) ETH2 10 / 100 / 1000 base-T with M12 connector 8-pin female (9) DC power with M12 connector 5-pin male (10) Back cover for access HDD / SSD

**Ordering Information**

**PS-5821W-i3-\*\*-\***

<b>Form Factor</b> .....	Slim Type and Enclosed PS5000 Series
<b>Product Generation</b> .....	Second Generation
<b>Panel PC and Modular Displays</b> .....	821W: 15" Widescreen
<b>Box PC</b> .....	None (S-Panel or Enclosed Panel)
<b>CPU</b> .....	i3: Performance Core i3-4010U
<b>Power Supply</b> .....	D: 24 VDC
<b>Memory</b> .....	8G: 8GB RAM
<b>Operating System</b> .....	None <b>WES7:</b> Win Embedded Standard 7 Premium SP1 64bit En MUI <b>W764:</b> Win7 Ultimate FES SP1 64bit En MUI <b>WE8:</b> Windows Embedded 8.1 Industry 64 bits MUI <b>WS1064A:</b> Windows 10 IoT Enterprise 64bit MUI
<b>Main Storage Device</b> .....	<b>SHD:</b> HDD 500GB <b>CF32:</b> CFast 32GB <b>HHD:</b> HDD 1TB <b>SSD8:</b> SSD 128GB <b>SSD16:</b> SSD 160GB <b>SSD24:</b> SSD 240GB
<b>Optional Interfaces</b> .....	None <b>NV:</b> Interface - NVRAM <b>485X2:</b> Interface - 2 x RS422/485 Isolated <b>485X4:</b> Interface - 4 x RS422/485 <b>232X2:</b> Interface - 2 x RS232 Isolated <b>232X4:</b> Interface - 4 x RS232 <b>IO:</b> Interface - 16DI / 8DO <b>CO:</b> Interface - 2x CanOpen CanBus <b>PF:</b> Interface - Profibus DP Master with NVRAM <b>ETH:</b> Interface - 1xEth. Gigabit IEEE1588 for IPC <b>CL:</b> Interface - Cellular 3G
<b>Secondary Storage</b> .....	None <b>CF32:</b> CFast 32GB <b>SHD:</b> HDD 500GB <b>HHD:</b> HDD 1TB <b>SSD8:</b> SSD 128GB <b>SSD16:</b> SSD 160GB <b>SSD24:</b> SSD 240GB
<b>Software</b> .....	None <b>WGP:</b> WinGP <b>HMS:</b> Remote HMI Server <b>WGPHMS:</b> WinGP + Remote HMI Server <b>OPN15:</b> BLUE Open Studio Runtime 1.5K tags <b>OPN40:</b> BLUE Open Studio Runtime 4K tags <b>OPN64:</b> BLUE Open Studio Runtime 64K tags
<b>Extended Warranty</b> .....	None (Standard) One year extended Two year extended

**Optional Items**

Part Number	Description
PFXZPPDSP192	Screen Protection Sheet for 19" (5pcs)
PFXZPPWG192	Gasket for W19" (1 pcs)
PFXAPPAP12P2	Installation fastner for PS5000

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