

# PS5000B Box Performance Industrial PC



**Features:**

- Core™ i7-4650U 1.7 GHz
- Fan-less Design
- Extensive Connectivity
- Modular Flexible Design
- Power Consumption: Up to 40W
- Can be used with multiple screen sizes

**Performance Specifications**

Models	PS5000 Series Build to order (See reverse side for ordering information)	
Supported OS	Windows® 7 Ultimate 64 bit MUI / Windows® Embedded Standard 7 (Premium) 64 bit MUI / Windows® Embedded 8.1 Industry 64 bit MUI	
CPU	Core™ i7-4650U 1.7 GHz	
Main Memory	8 GB / 16 GB, DDR3 1600 MHz, SO-DIMM SDRAM 512 KB MRAM for the user	
Video Memory	Up to 1.7 GB, Shared system memory	
Graphics Accelerator	Intel® HD Graphics 5000	
Interface	Serial ATA	HDD / SSD x 2 <sup>*1</sup> CFAST x 1 mSATA x 1
	Serial (COM1)	RS-232C / 422 / 485 (D-Sub 9-pin, plug)
	Ethernet (LAN1)	10 / 100 / 1,000 Mbps (RJ-45 Modular jack)
	Ethernet (LAN2)	10 / 100 / 1,000 Mbps (RJ-45 Modular jack)
	USB	USB 3.0 x 2, USB 2.0 x 2 (Type A)
	Video	DisplayPort (Type A) x 2
	Expansion Slot <sup>**2</sup>	PCIe (x4) x 2 / PCI x 2 / PCI x 1 + PCIe (x4) x 1
	Mini PCIe	x 2 (revision 1.2)

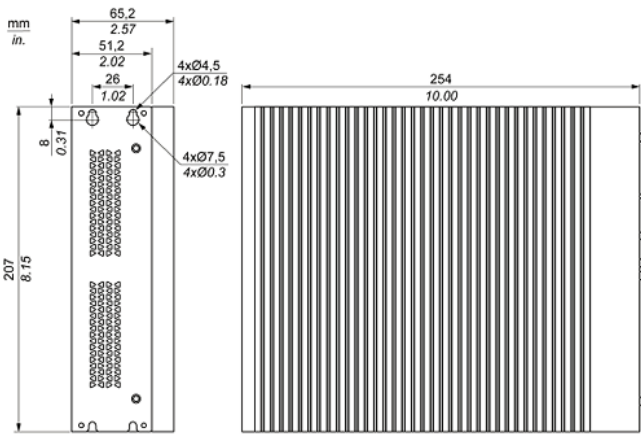
<sup>\*1</sup> For use at 100 to 240 Vac, an optional AC power adapter (PFXZPBPUAC2) that is separately sold is required <sup>\*\*2</sup> 2 slot model only.

**General Specifications**

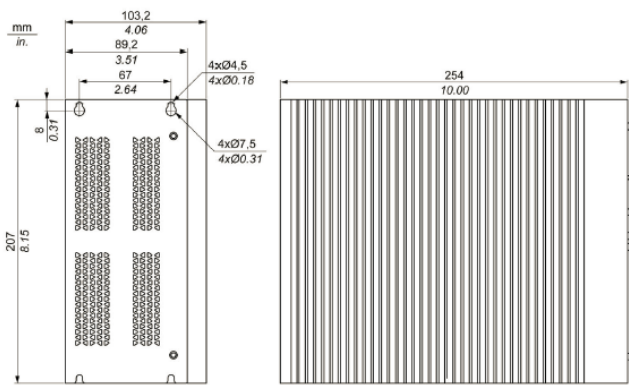
Models	PS5000 Series (Build to Order)
Certifications	Class 1 Div 2, CE (EN61000-6-4, EN61000-6-2, EN61131-2), CSA/UL61010, RCM (C-Tick), EAC (GOST-R), RoHS, REACH, CCC, KC, WEEE
Input Voltage	DC Power Model: 24 Vdc ±20 % When using AC power supply unit: 100 to 240 Vac <sup>*1</sup>
Power Consumption	18 W (Max. 40 W)
In-Rush Current	8.9 A
Storage Temperature	-30 to 70 °C [-22 to 158 °F]
Surrounding Air Temperature	When using SSD / CFAST running: 0 to 55 °C [32 to 131 °F] When using HDD running: 0 to 45 °C [32 to 113 °F] When using PCI/PCIe: 0 to 45 °C [32 to 113 °F]
Ambient Humidity	10 to 95 % RH (Wet bulb temperature: 40 ° [104 °] max. - no condensation)
Storage Humidity	10 to 95 % RH (Wet bulb temperature: 40 ° [104 °] max. - no condensation)
Concussion Resistance:	IEC60068-2-27 Ea Test
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 / 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 (EMC)	Immunity to High Frequency Interference. Electromagnetic Emissions Class A
Weight	0 Slot: 3.1 kg (6.8 lbs.) 2 Slots: 3.9 kg (8.6 lbs.)
External Dimensions	0 Slot: W65.2 x H207.0 x D254.0mm [W2.57 x H8.15 x D10.00 in.] 2 Slots: W103.2 x H207.0 x D254.0mm [W4.06 x H8.15 x D10.00 in.]
Warranty	Two (2) years

**External Dimensions**

**PS5000B 0 Slot**



**PS5000B 2 Slot**



**Ordering Information**

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Panel PC and Modular Displays .....	<b>000B:</b> Node Box (no display)
Box PC .....	<b>i7-16G:</b> Box PC Core i7 16GB (1xDP, 2xEth., 1xCOM, 4xUSB, MRAM) <b>i7-16G-1P1E:</b> Box PC Core i7 16GB 1 PCI + 1 PCIe (1xDP, 2xEth., 1xCOM, 4xUSB, MRAM) <b>i7-16G-2P:</b> Box PC Core i7 16GB 2 PCI (1xDP, 2xEth., 1xCOM, 4xUSB, MRAM) <b>i7-16G-2E:</b> Box PC Core i7 16GB 2 PCIe (1xDP, 2xEth., 1xCOM, 4xUSB, MRAM) <b>i7-16G-CC:</b> Box PC Core i7 16GB Conformal Coating (1xDP, 2xEth., 1xCOM, 4xUSB, MRAM) <b>i7-16G-1P1E-CC:</b> Box PC Core i7 16GB 1 PCI + 1 PCIe Conformal Coating (1xDP, 2xEth., 1xCOM, 4xUSB, MRAM)
CPU Fan Kit .....	None F: CPU Fan Kit for expansion cards above 3W
Power Supply .....	D: 24 VDC A: 100 - 240 AC
Operating System .....	No Operating System <b>WES7:</b> Win Embedded Standard 7 (WES7P) SP1 64 bits MUI <b>W764:</b> Win7 Ultimate FES SP1 64bit En MUI <b>WE8:</b> Win8.1 Industry 64bit En MUI <b>WS732:</b> WES Win7 32bit En MUI <b>W1064C:</b> Windows 10 IoT Enterprise 64bit MUI (Celeron) <b>W1064I:</b> Windows 10 IoT Enterprise 64bit MUI (i7)
Main Storage Device .....	<b>SHD:</b> HDD 500GB <b>CF32:</b> 32GB CFast <b>HHD:</b> HDD 1TB <b>SSD8:</b> SSD 128GB <b>SSD16:</b> SSD 160GB <b>SSD24:</b> SSD 240GB
Optional Interfaces .....	No Optional Interface <b>485X2:</b> Interface - RS485 x 2 Isolated <b>485X4:</b> Interface - 4 x RS422/485 <b>USBX2:</b> Interface - 2 x USB 3.0 <b>232X2:</b> Interface - 2 x RS232 Isolated <b>232X4:</b> Interface - 4 x RS232 <b>IO:</b> Interface - 16DI / 8DO <b>AU:</b> Interface - Audio <b>CL:</b> Interface - 1x GPRS/GSM <b>ETH:</b> Interface - Gigabit IEEE 1588 Lan <b>CO:</b> Interface - 2x CanOpen CanBus <b>PF:</b> Interface - Profibus DP Master with NVRAM <b>LANX2:</b> Interface - 2x PoE LAN
Secondary Storage .....	No Secondary Storage <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
Software .....	No Software <b>WGP:</b> WinGP <b>HMIS:</b> Remote HMI Server <b>WGPHMIS:</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
Extended Warranty .....	None (Standard) One year extended Two year extended

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