

PS5000B Box Universal Industrial PC



Features:

- Celeron® 2980U 1.6 Ghz
- Fan-less Design
- Extensive Connectivity
- Modular Flexible Design
- Power Consumption: Up to 40W
- Can be used with multiple screen sizes

Performance Specifications

Model	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	Celeron® 2980U 1.6 Ghz	
Main Memory	4 GB / 8 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	
Interface	Serial ATA	HDD / SSD x 2 ^{*1} 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 ^{*2}	PCIe (x4) x 2 / PCI x 2 / PCI x 1 + PCIe (x4) x 1
	Mini PCIe	2x (revision 1.2)

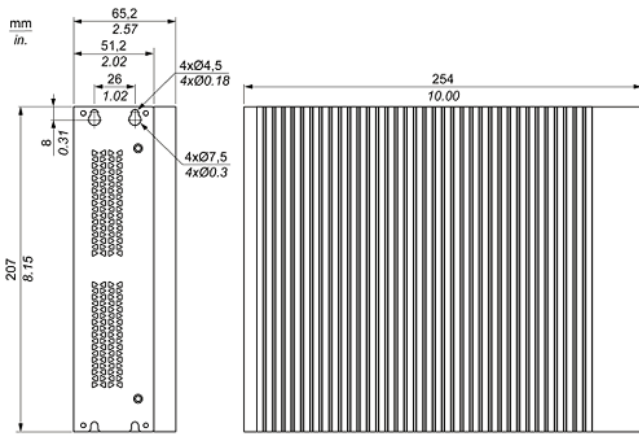
*1 For use at 100 to 240 Vac, an optional AC/DC power adapter (PFXZPBPUAC2) that is separately sold is required *2 2 slot model only.

General Specifications

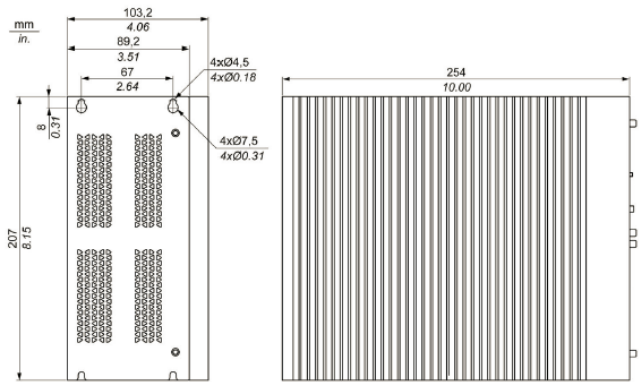
Model	PS5000 Series (Build to Order)
Certifications	Class 1 Div 2, CE (EN61000-6-4, EN61000-6-2, EN61131-2), CSA/UL61010, RCM (C-Tick), EAC (GOST-R), RoHS, CCC, WEEE
Input Voltage	DC Power Model: 24 Vdc ±20 % When using AC power supply unit: 100 to 240 Vac
Power Consumption	18 W (Max. 40 W)
In-Rush Current	8.9 A
Storage Temperature	-30 to 70 °C [-22 to 158 °F]
Certifications	CE (EN61000-6-4, EN61000-6-2, EN61131-2), CSA/UL61010, RCM (C-Tick), EAC (GOST-R), RoHS, REACH, CCC, KC, WEEE
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	000B: Node Box (no display)
Box PC	CE-8G: Box PC Celeron 8GB (1xDP, 2xEth., 1xCOM, 4xUSB, MRAM) CE-8G-1P1E-CC: Box PC Celeron 8GB-RAM, 1 PCI+1 PCIe Conformal Coating (1xDP, 2xEth., 1xCOM, 4xUSB, MRAM) CE-8G-2P: Box PC Celeron 8GB-RAM, 2 PCI (1xDP, 2xEth., 1xCOM, 4xUSB, MRAM) CE-8G-2E: Box PC Celeron 8GB-RAM, 2 PCIe (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 WES7: Win Embedded Standard 7 (WES7P) SP1 64 bits MUI W764: Win7 Ultimate FES SP1 64bit En MUI WE8: Win8.1 Industry 64bit En MUI WS732: WES Win7 32bit En MUI W1064C: Windows 10 IoT Enterprise 64bit MUI (Celeron) W1064I: Windows 10 IoT Enterprise 64bit MUI (i7)
Main Storage Device	SHD: HDD 500GB CF32: 32GB CFast HHD: HDD 1TB SSD8: SSD 128GB SSD16: SSD 160GB SSD24: SSD 240GB
Optional Interfaces	No Optional Interface 485X2: Interface - RS485 x 2 Isolated 485X4: Interface - 4 x RS422/485 USBX2: Interface - 2 x USB 3.0 232X2: Interface - 2 x RS232 Isolated 232X4: Interface - 4 x RS232 IO: Interface - 16DI / 8DO AU: Interface - Audio CL: Interface - 1x GPRS/GSM ETH: Interface - Gigabit IEEE 1588 Lan CO: Interface - 2x CanOpen CanBus PF: Interface - Profibus DP Master with NVRAM LANX2: Interface - 2x PoE LAN
Secondary Storage	No Secondary Storage CF32: CFast 32GB SHD: HDD 500GB HHD: HDD 1TB SSD8: SSD 128GB SSD16: SSD 160GB SSD24: SSD 240GB
Software	No Software WGP: WinGP HMIS: Remote HMI Server WGPHMIS: WinGP + Remote HMI Server OPN15: BLUE Open Studio Runtime 1.5K tags OPN40: BLUE Open Studio Runtime 4K tags OPN64: BLUE Open Studio Runtime 64K tags
Extended Warranty	None (Standard) One year extended Two year extended

Pro-face America
Phone: 734.477.0600
Fax: 734.864.7347
www.profaceamerica.com

Customer Service Hotline: 800.289.9266

For more information
ACCESS www.profaceamerica.com