

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) |

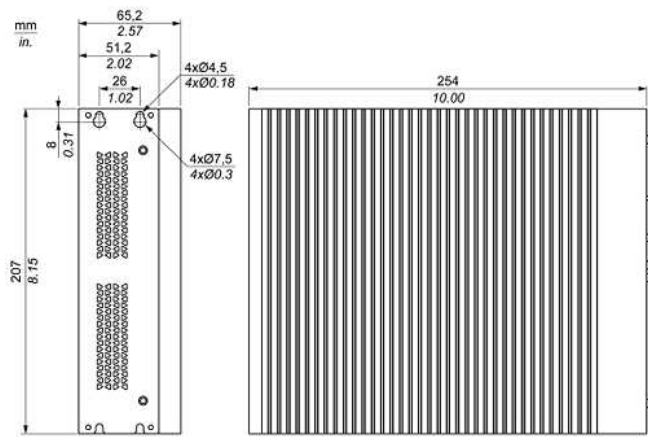
*1 For use at 100 to 240 Vac, an optional AC/DC power adapter (PFXZPBPUAC2) that is separately sold is required *2 2 slot model only.

General Specifications

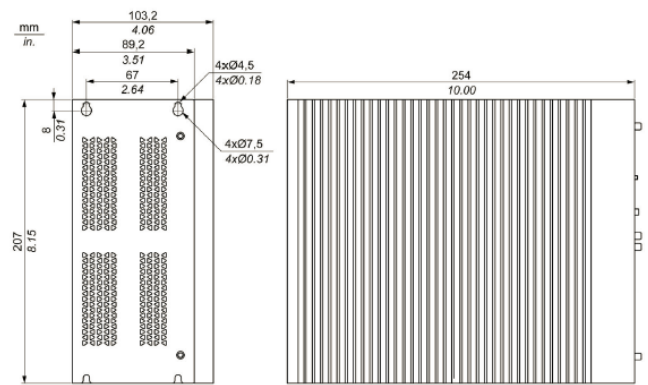
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|-------------------------------------|--|
| Model | PS5000 Series (Build to Order) |
| Certifications | Class 1 Div 2, CE (EN61000-6-4, EN61000-6-2, EN61131-2), CSA/UL61010, RCM (C-Tick), EAC (GOST-R), RoHS, CCC, WEEE |
| Input Voltage | DC Power 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

PS - 5000B - CE - * * - *

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| Panel PC and Modular Displays | 000B : None (Box only) |
| Box PC | CE-4G : Box PC Celeron 4GB (1xDP, 2xEth., 1xCOM, 4xUSB, MRAM) CE-8G : Box PC Celeron 8GB (1xDP, 2xEth., 1xCOM, 4xUSB, MRAM) CE-4G-1P1E : Box PC Celeron 4GB 1 PCI + 1 PCIe (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-4G-2P : Box PC Celeron 4GB-RAM, 2 PCI (1xDP, 2xEth., 1xCOM, 4xUSB, MRAM) CE-8G-2P : Box PC Celeron 8GB-RAM, 2 PCI (1xDP, 2xEth., 1xCOM, 4xUSB, MRAM) CE-4G-2E : Box PC Celeron 4GB-RAM, 2 PCIe (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 | None WES7 : Windows Embedded Standard 7 (WES7P) SP1 64 bits MUI W764 : Win7 Ultimate FES SP1 64bit En MUI WE8 : Win8.1 Industry 64bit En MUI |
| Main Storage Device | None CF32 : CFast 32GB SHD : HDD 500GB HHD : HDD 1TB SSD8 : SSD 80GB SSD16 : SSD 160GB SSD24 : SSD 240GB |
| Optional Interfaces | None 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 | None CF32 : CFast 32GB SHD : HDD 500GB HHD : HDD 1TB SSD8 : SSD 80GB SSD16 : SSD 160GB SSD24 : SSD 240GB |
| Software | None 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 (2 year standard) One year extended Two year extended |

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