

PE4000B



| Performance Specifications | | | | | | |
|----------------------------|---|---|---|---|----------------------|--|
| Models | PFX-PEBAD21ANN1 | PFX-PEBAD20NNN1 | PFX-PEBBD42DNN1 | PFX-PEBBD42CNN1 | PFX-PEBBD21BNN1 | PFX-PEBBD40NNN1 |
| CPU | Intel Atom™ N270 1.6 GHz | | Intel Atom™ Dual Core N2600 1.6 GHz | | | |
| Operating System | WES2009 | None | WES7 | | WES2009 | None |
| L2 Cache Memory | 512KB | | 1 MB | | | |
| Main Memory | 2 GB (DDR2 533 MHz) | | 4 GB (DDR3 800 MHz) | | 2 GB (DDR3 800 MHz) | 4 GB (DDR3 800 MHz) |
| Chipset | 945GSE | | NM10 | | | |
| Graphics Accelerator | Integrated 3D graphics engine, based on Intel™ GMA 950 architecture, delivers sophisticated graphics for large display applications | | DirectX 10.1 and OpenGL 3.0 support, Hardware accelerated video decode, Video decoder: Support MPEG4, VC1, WMV9, H.264 | | | |
| Graphics | RGB: Up to 1600 x 1200 at 85 Hz | | RGB: Up to 1920 x 1200 at 85 Hz, HDMI: Supports 1920 x 1200, max data rate: up to 1.65 Gb/s Supports, HDMI 1.3: up to 1080 p support, Dual independent displays : VGA + HDMI or VGA | | | |
| Interface | Serial (COM) | RS-232C (D-Sub 9-pin, plug) x 2 | | RS-232C (D-Sub 9-pin, male) x 2 | | |
| | Serial (COM) | - | | RS-232/422/485(D-Sub 9-pin, male) port with auto flow control (by BIOS setting) x 4 | | |
| | Ethernet(LAN) | 10/100/1000 Mbit/s (RJ-45 Modular jack) | | 10/100/1000 Mbit/s (RJ-45 Modular jack) x 3 | | |
| | USB (Type A) | USB 2.0 x 2 | | USB 2.0 x 5 | | |
| | Video | Analog RGB x 1 | | Analog RGB x 1, HDMI x 1 | | |
| Storage | Expansion Slot | Mini PCIe (full size) x 1 | | | | |
| | Serial ATA | 1 available for SSD | | 80GB SSD installed | 1 available for SSD | |
| | CF /CFast | 8GB CF installed | 1 available for CF | 1 available for CF | 16GB CFast installed | 8GB CFast installed 1 available for CFast |

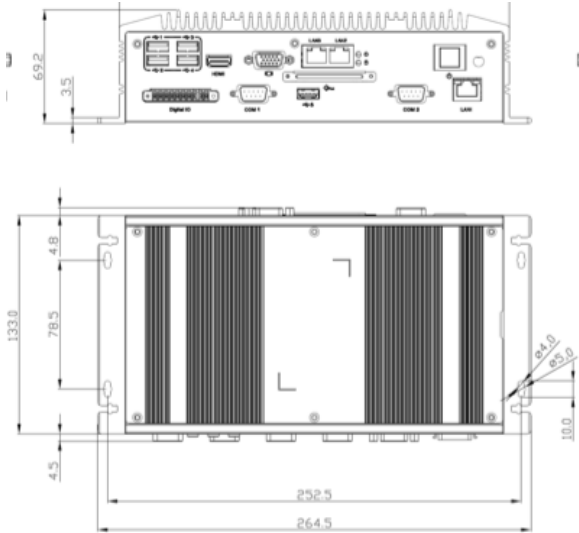
**WES7* stands for Windows® Embedded Standard 7 Runtime (WS7P)(ESD), and *WES2009* for Microsoft® Windows® Embedded Standard Runtime.

| General Specifications | | | | | | |
|--------------------------|---|----------------|----------------|--|----------------|----------------|
| Models | PFXPEBAD21ANN1 | PFXPEBAD20NNN1 | PFXPEBBD42DNN1 | PFXPEBBD42CNN1 | PFXPEBBD21BNN1 | PFXPEBBD40NNN1 |
| Input Voltage | 12 to 24 Vdc ±5 % | | | | | |
| Power Consumption | Typically 15 W max 36W | | | Typically 16 W max 36W | | |
| Operating Temperature | 0-60C (32...140F) | | | 0...50C (32...122F) | | |
| Storage Temperature | -40 to 85 °C [-40 to 185 °F] | | | | | |
| Certifications | CE (EN61000-6-4, EN61000-6-2, EN61131-2), UL UL60950, RCM (C-Tick), EAC (GOST-R), RoHS (RoHS for EU), RoHS for China, REACH, KC, CCC , BSMI .WEEE | | | | | |
| Abmient/Storage Humidity | 95 % RH (Wet bulb temperature: 40 °C [104 °F] max. - no condensation), 10 to 85 % RH (Wet bulb temperature: 29 °C [84.2 °F] max. - no condensation) | | | | | |
| Corrosive Gas | Free of corrosive gases | | | | | |
| Fan | Fanless | | | | | |
| Vibration Resistance | 2...9 Hz: 1.75 mm (0.07 in.) 9...200 Hz: 4.9 m/s2, IEC 60068-2-6 | | | | | |
| Weight | Approx. 2.5 kg (5.5 lbs) | | | | | |
| External Dimensions | 254.80(W)x58.7(H)x157.11(D) | | | 264.5(W)x69.2(H)x133(D) Note: Depth is 142.3(D) with connectors. | | |
| Warranty | Two (2) years | | | | | |

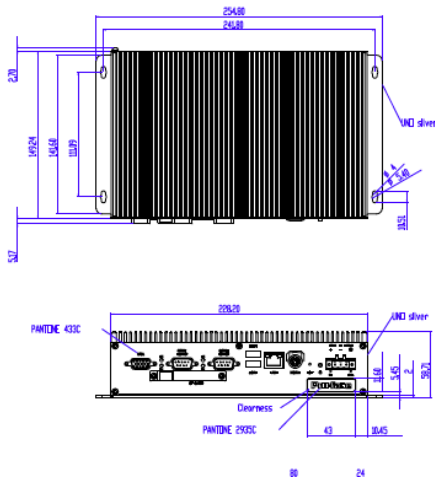
| Ordering Information | | |
|-------------------------------------|----------------|--|
| Product Name | Part Number | Description |
| PE4000B Atom N270 (WES2009 CF card) | PFXPEBAD21ANN1 | Built-in Computer, Atom N270-1.6GHz, WES2009, CF 8GB, COM 2ch(RS-232Cx2), 10BASE-T/100BASE-TX/1000BASE-T Ethernet, Analog RGB, DDR3 2GB RAM, mini PCIe slot, 12 to 24 Vdc |
| PE4000B Atom N270 (without OS) | PFXPEBAD20NNN1 | Built-in Computer, Atom N270-1.6GHz, without OS, COM 2ch(RS-232Cx2), 10BASE-T/100BASE-TX/1000BASE-T Ethernet, Analog RGB, DDR3 2GB RAM, mini PCIe, 12 to 24 Vdc |
| PE4000B Atom N2600 (WES2009 CFast) | PFXPEBBD21BNN1 | Built-in Computer, Atom N26001.6GHz, WES2009, CFast 8GB, COM 6ch(RS-232Cx2,RS-232C/422/485x4), 10BASE-T/100BASE-TX/1000BASE-T Ethernet 3ch, Analog RGB, HDMI, DIO 8bits, DDR3 2GB RAM, mini PCIe slot, 12-24 Vdc |
| PE4000B Atom N2600 (WES7 CFast) | PFXPEBBD42CNN1 | Built-in Computer, Atom N26001.6GHz, WES7, CFast 16GB, COM 6ch(RS-232Cx2,RS-232C/422/485x4), 10BASE-T/100BASE-TX/1000BASE-T Ethernet 3ch, Analog RGB, HDMI, DIO 8bits, DDR3 4GB RAM, mini PCIe slot, 12-24 Vdc |
| PE4000B Atom N2600 (WES7 SSD) | PFXPEBBD42DNN1 | Built-in Computer, Atom N26001.6GHz, WES7, SSD 80GB, COM 6ch(RS-232Cx2,RS-232C/422/485x4), 10BASE-T/100BASE-TX/1000BASE-T Ethernet 3ch, Analog RGB, HDMI, DIO 8bits, DDR3 4GB RAM, mini PCIe slot, 12-24 Vdc |
| PE4000B Atom N2600 (without OS) | PFXPEBBD40NNN1 | Built-in Computer, Atom N26001.6GHz, without OS, COM 6ch(RS-232Cx2,RS-232C/422/485x4), 10BASE-T/100BASE-TX/1000BASE-T Ethernet 3ch, Analog RGB, HDMI, DIO 8bits, DDR3 4GB RAM, mini PCIe slot, 12-24 Vdc |

External Dimensions

Atom2600 Model External Dimensions



Atom270 Model External Dimensions



Option Ordering Information

| Part Number | Description |
|---------------|---|
| PFXZPESSD81 | SSD Unit without OS, 80GB for PE-4000B |
| PFXZPESSD161 | SSD Unit without OS, 160GB for PE-4000B |
| PFXZPECF81 | CF Card, 8GB for PE-4000B |
| PFXZPECF82 | CFast Card, 8GB for PE-4000B |
| PFXZPECF162 | CFast Card, 16GB for PE-4000B |
| PFXZPEAFDR1 | DIN rail Adaptor for PE-4000B Atom N270 |
| PFXZPEAFDR2 | DIN rail Adaptor for PE-4000B Atom N2600 |
| PFXZPECNDC1 | DC power supply connector for N270 (5 pcs) |
| PFXZPECNDC2 | DC power supply connector for N2600 (5 pcs) |
| PFXZPECNDIO1 | DIO Connector (5pcs) |
| PFXZPECNHDDV1 | A Connector converting HDMI to DVI |

Options



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