

PE4000B Node Box



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 CFast	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

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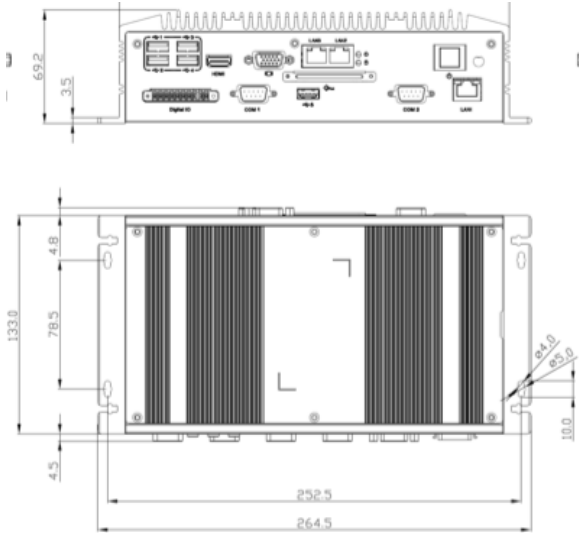
Customer Service Hotline: 800.289.9266

For more information

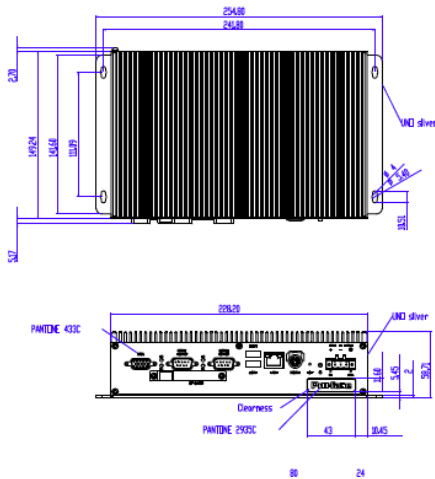


External Dimensions

Atom2600 Model External Dimensions



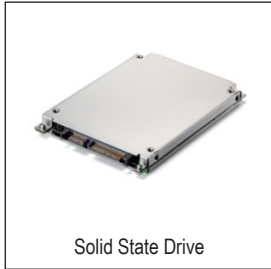
Atom270 Model External Dimensions



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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