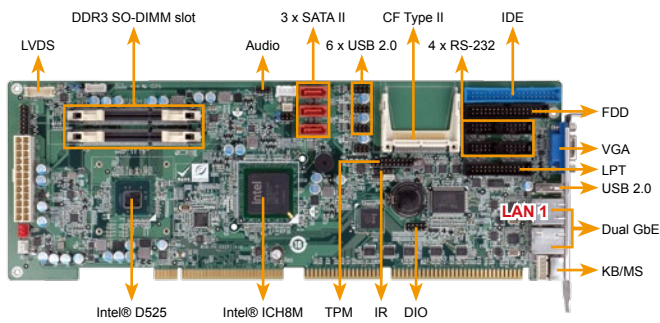


WSB-PV-D4251/D5251

Full-size PICMG 1.0 CPU card with Intel® Atom™ D425/D525, DDR3, VGA/LVDS, Dual PCIe GbE, SATA II, COM, USB 2.0, Audio and RoHS



Features

- PICMG 1.0 form factor and RoHS compliant
- Support Intel® Atom™ D425/D525 1.80GHz processor
- Supports 800MHz DDR3 SDRAM SO-DIMM up to 4GB
- Dual PCIe Ethernet, three SATA II, and four RS-232 serial port connectors
- VGA and 18-bit single-channel LVDS for dual independent display support
- TPM V1.2 hardware security function supported by TPM module
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery



TPM 1.2 Support

Specifications

- CPU**
 - Intel® Atom™ D525 dual-core processor (1.80GHz/1MB L2 cache)
 - Intel® Atom™ D425 single-core processor (1.80GHz/512KB L2 cache)
- System Chipset:** ICH8M
- BIOS:** UEFI BIOS
- System Memory**
 - Two 204-pin 800MHz DDR3 SDRAM SO-DIMMs supported (system max. 4GB) for D525/D425
- Graphics Engine**
 - GMA 3150
 - Gen3.5 DX9, 400MHz for D525/D425
- Ethernet**
 - Dual Realtek RTL8111E PCIe GbE controller (LAN1 with ASF 2.0 support)
- Display Interface**
 - Analog CRT up to 2048x1536 for D525/D425
 - Supports CRT hot plug
 - 18-bit single-channel LVDS, resolution support up to WXGA 1366x768 or XGA 1024x768
- I/O Interface**
 - 4 x RS-232
 - 3 x SATA II
 - 1 x IDE
 - 1 x FDD
 - 1 x CF Type II
 - 1 x 5-pin on-board header for KB
 - 1 x LPT
 - 1 x PS/2 connector for KB/MS
 - 7 x USB 2.0 (1 on bracket, 6 on board by pin header)
- TPM:** 2 x 10-pin header
- SMBus:** 1 x 4-pin wafer connector
- Digital I/O**
 - 8-bit digital I/O, 4-bit input/4-bit output
- Infrared Interface**
 - 1 x 5-pin infrared by pin header
- Super I/O:** Fintek F81865
- Audio**
 - 1 x 10-pin on-board header connects to the IEI audio kit
- Watchdog Timer**
 - Software programmable supports 1~255 sec. system reset
- Power Supply:** AT/ATX power
- Power Consumption**
 - 5V@ 5.16A, 12V@ 0.55A (Intel® dual core Atom™ D525 1.80GHz with two 2GB 1066MHz DDR3 memory)
- Temperature**
 - 20°C ~ 60°C with free air, -20°C ~ 70°C with force air for D525 processor
 - 20°C ~ 65°C with free air, -20°C ~ 70°C with force air for D425 processor
- Humidity**
 - Operation: 5% ~ 95%, non-condensing
- Dimensions:** 338 mm x 122 mm
- Weight:** GW: 1100g

Packing List

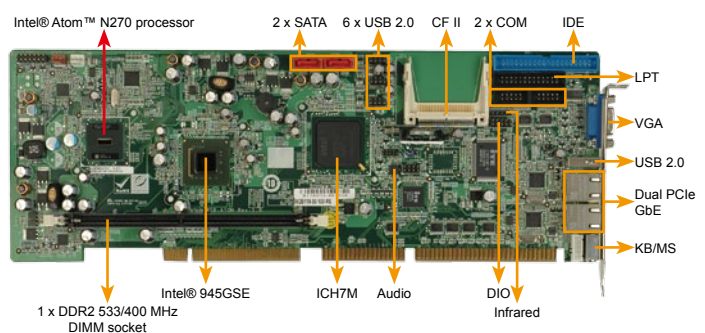
1 x WSB-PV-D4251/D5251 single board computer	
2 x SATA cable (P/N: 32801-000703-200-RS)	
1 x Dual RS-232 cable (P/N: 19800-000051-RS)	1 x Mini jumper pack
1 x USB cable (P/N: 19800-003100-200-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

Ordering Information

Part No.	Description
WSB-PV-D5251-R10	Full-size PICMG 1.0 CPU card with Intel® dual-core Atom™ D525 1.80GHz/1MB L2 cache, DDR3, VGA/LVDS, dual PCIe GbE, SATA II, COM, USB 2.0, audio, RoHS
WSB-PV-D4251-R10	Full-size PICMG 1.0 CPU card with Intel® single-core Atom™ D425 1.80GHz/512KB L2 cache, DDR3, VGA/LVDS, dual PCIe GbE, SATA II, COM, USB 2.0, audio, RoHS
AC-KIT-888HD-R10	7.1 channel HD audio kit with Realtek ALC888 supports dual audio streams
CB-USB14-RS	4 ports USB cable
32006-000300-100-RS	KB/MS Y cable
32200-000052-RS	ATA 66 flat cable
32102-000100-200-RS	SATA power cable
19800-000400-100-RS	LPT cable
2200-000017-RS	FDD cable
31100-000327-RS	CPU fan
TPM-IN01-R11	20-pin Infineon TPM module, software management tool, firmware V3.17

WSB-945GSE

Full-size PICMG 1.0 CPU card supports Intel® Atom™ processor and comes with VGA, Dual PCIe GbE, USB 2.0, SATA and Audio



Features

- PICMG 1.0 and RoHS compliant
- Intel® Atom™ processor N270 at 1.6GHz core speed with a 533MHz FSB and 512KB L2 cache
- Enhanced technology for lower power consumption
- Two SATA and CF type I/II for data storage
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- CPU**
 - On-board Intel® Atom™ N270 processor, 1.6GHz 512KB L2 cache with a 533MHz FSB
- System Chipset**
 - Intel® 945GSE + ICH7M
- BIOS**
 - AMI BIOS
- System Memory**
 - One 240-pin 533/400 MHz DDR2 SDRAM DIMM supported (system max. 2GB)
- Ethernet**
 - Dual Realtek 8111CP PCIe GbE controllers
- I/O Interface**
 - 2 x RS-232
 - 2 x SATA
 - 1 x IDE
 - 1 x LPT
 - 7 x USB 2.0 (1 on bracket, 6 on board by pin header)
 - 1 x PS/2 connector for KB/MS
- Digital I/O**
 - 8-bit digital I/O, 4-bit input/4-bit output
- Infrared Interface**
 - 1 x Infrared by pin header
- Super I/O**
 - ITE IT8718F
- Display Interface**
 - VGA integrated in Intel® 945GSE
- Audio**
 - Support 7.1 channel HD audio or 5.1 channel AC-97 audio by IEI audio kits
- SSD**
 - CF type I/II
- Watchdog Timer**
 - Software programmable supports 1~255 sec. system reset
- Power Supply**
 - AT/ATX power
- Power Consumption**
 - 5V@2.55A, 12V@0.23A (Intel® Atom™ N270 1.6GHz/533MHz CPU with 1GB 533MHz DDR2)
- Temperature**
 - Operation: 0°C ~ 60°C (32°F~140°F)
- Humidity**
 - Operation: 5% ~ 95%, non-condensing
- Dimensions**
 - 338 mm x 122 mm
- Weight**
 - GW: 1.0 kg/NW: 0.25 kg

Packing List

1 x WSB-945GSE single board computer	
1 x KB/MS Y-cable (P/N: 32006-000300-100-RS)	
1 x Dual RS-232 cable (P/N: 19800-000051-RS)	
2 x SATA cable (P/N: 32801-000703-200-RS)	1 x Mini jumper pack
1 x USB cable (P/N: 19800-003100-200-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG (quick installation guide)

Ordering Information

Part No.	Description
WSB-945GSE-N270-R10	PICMG 1.0 with Intel® Atom™ processor N270 1.6GHz processor, VGA, dual PCIe GbE, USB 2.0, SATA
AC-KIT-888HD-R10	7.1 channel HD audio kit with Realtek ALC888 supports dual audio streams
AC-KIT08R-R10	5.1 channel AC'97 audio kit with Realtek ALC655
32200-000052-RS	ATA 66 flat cable
32102-000100-200-RS	SATA power cable
19800-000400-100-RS	LPT cable