

WSB-PV-D4251/D5251

Full-size PICMG 1.0 CPU Card with Intel® Atom™ D425/D525



Features

- » PICMG 1.0 form factor and RoHS compliant
- » Supports Intel® Atom™ D425/D525 1.80GHz processor
- » Supports 800 MHz DDR3 SDRAM SO-DIMM up to 4 GB
- » Dual PCIe Ethernet, three SATA 3Gb/s, 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

Specifications

CPU Cooler	
CPU Cooler	Heatsink (fanless)
	(optional CPU fan by 19FFD124010HB2A7-000001-RS)
Environment	
Humidity	5% ~ 95%, noncondensing
Operating Temperature	-20°C ~ 65°C (-4°F~149°F) with free air
	for D425 CPU
	-20°C ~ 60°C (-4°F~140°F) with free air
	for D525 CPU
	-20°C ~ 70°C (-4°F~158°F) with force air
	for D425/D525 CPU
Expansion Slots	
Expansion Slots	N/A
I/O Interface	
Audio	IEI AC-KIT-892HD-R10 7.1 channel HD audio kit via the on-board 10-pin header connector
Digital I/O	8-bit Digital I/O (4-bit input/4-bit output)
Display	Dual display supported
	1 x VGA
	1 x 18-bit single-channel LVDS
Ethernet	LAN1: Realtek RTL8111E PCIe GbE controller with ASF 2.0 support
	LAN2: Realtek RTL8111E PCIe GbE controller
I/O Interface	
I/O Interface	4 x Internal RS-232
	6 x Internal USB 2.0
	1 x KB/MS
	1 x LPT
	1 x USB 2.0
Power	
Power consumption	5V@ 5.16A, 12@ 0.55A

	(Intel® Dual Core Atom™ D525 1.80GHz with two 2GB 1066MHz DDR3 memory)
Storage	
Storage	3 x SATA 3Gb/s
	1 x IDE
	1 x FDD
	1 x CF Type II
System	
Chipset	Intel® ICH8M
CPU	Intel® Atom™ D525 1.8GHz
	Intel® Atom™ D425 1.8GHz
CPU Socket	On board
Memory Max.	Two 204-pin 800MHz DDR3 SDRAM SODIMMs (system max. 4GB)
Watchdog Timer	
Watchdog Timer	Software programmable and supports 1~255 sec. system reset

Ordering Information

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,SATAII,COM,USB 2.0 and Audio,RoHS
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,SATAII,COM,USB 2.0 and Audio,RoHS

Packing List

1 x WSB-PV-D4251/D5251 single board computer 1 x Mini jumper pack	1 x Dual RS-232 cable (P/N: 19800-000051-RS) 1 x One Key Recovery CD
1 x USB cable (P/N: 19800-003100-300-RS)	1 x QIG
2 x SATA cable (P/N: 32000-062800-RS) 1 x Utility CD	