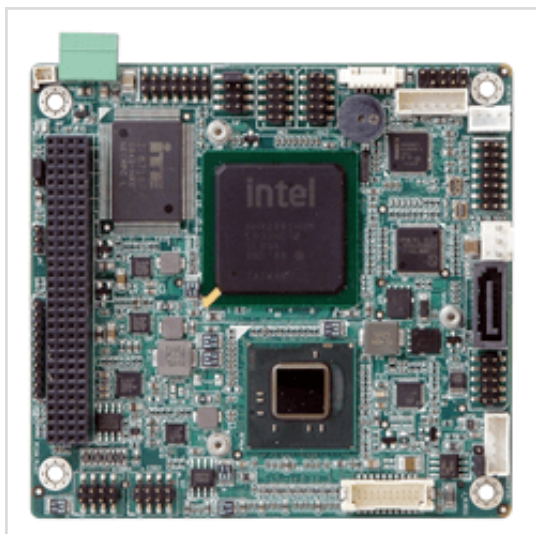


PM-PV-D5251

PCI-104 SBC with Intel® Atom™ N455/D525



Features

- » Intel® Atom™ N455/D525 processor with DDR3 memory
- » Single 5V power input design, 12V for LCD/fan
- » Single-channel 18-bit LVDS/VGA output for display
- » Support two COM, four USB, SATA 3Gb/s and CF Type II socket
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

CPU Cooler	
CPU Cooler	Heatsink
Display	
Display	Dual display supported
	1 x VGA (up to QXGA 2048x1536 (D525) or SXGA+ 1400x1050 (N455) @60Hz)
	1 x 18-bit single-channel LVDS (up to WXGA 1366x768 (D525) or XGA 1024x768 (N455) @60Hz)
Environment	
Humidity	5% ~ 95% non-condensing
Operating Temperature	-10°C ~ 60°C
Expansion Slots	
Expansion Slots	1 x PCI-104
FSB	
FSB	N/A
I/O Interface	
Audio	10-pin header on board supports 7.1 channel HD Audio by AC-KIT-892HD-R10
Digital I/O	1 x 8-bit digital I/O (2x5 pin)
Ethernet	GbE by Intel® 82567V Ethernet PHY
I/O Interface	1 x RS-232
	1 x RS-232/422/485
	4 x USB 2.0
	1 x KB/MS by pin header
I/O Interface	
I/O Interface	4 x USB 2.0
	1 x RS-232
	1 x RS-422/485
Power	
Power consumption	5V@3.31A
	(Intel® Atom™ D525 with 1GB DDR3)
	5V@2.39A
	(Intel® Atom™ N455 with 1GB DDR3)
Storage	

Storage	1 x SATA 3Gb/s
	1 x CF Type II
System	
Chipset	Intel® ICH8M
CPU	Intel® Atom™ D525 1.8GHz
	Intel® Atom™ N455 1.66GHz
Memory Max.	1 x 204-pin 800 MHz 4GB (max.) DDR3
	SO-DIMM (D525)
	1 x 204-pin 800 MHz 2GB (max.) DDR3
	SO-DIMM (N455)
Watchdog Timer	
Watchdog Timer	Software programmable and supports 1~255 sec. system reset

Ordering Information

PM-PV-D5251-R11	PC/104 SBC with Intel Atom D525 1.8GHz,DDR3,VGA/LVDS,GbE,USB2.0,SATAII and CFII,ROHS
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Packing List

1 x PM-PV-N4551/D5251 single board computer	1 x SATA cable
1 x Dual-port USB cable	1 x VGA cable
1 x LAN cable 1 x Mini jumper pack	1 x Power cable
1 x One Key Recovery CD	1 x PS/2 KB/MS cable
1 x QIG	1 x RS-232 cable
1 x Utility CD	