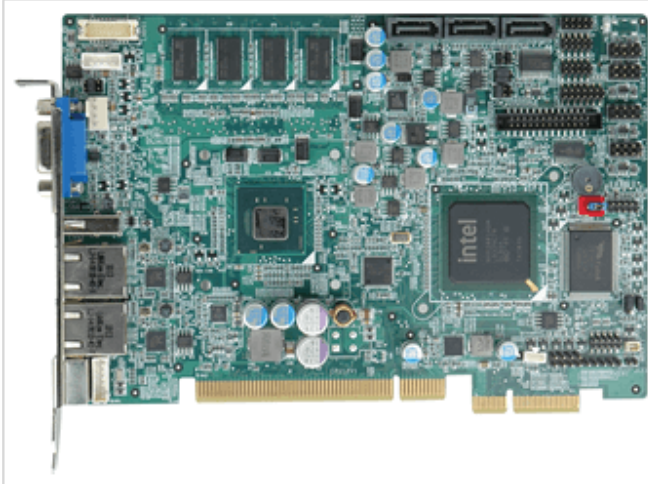


# PICOe-PV- D4251/N4551/D5251

Half-size PCIe CPU Card with Intel® Atom™ D425/N455/D525



## Features

- » PCIe CPU card supports four PCIe x1 or one PCIe x4, and four PCI expansions
- » Intel® Atom™ D525/D425/N455 processor
- » 1 GB of DDR3 800 MHz SDRAM on board and one expansion SO-DIMM slot support
- » Supports VGA and 18-bit single-channel LVDS with dual display support
- » I/O includes three RS-232, one RS-232/422/485, seven USB 2.0 and three SATA 3Gb/s
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

<b>Storage</b>	
Storage	1 x CF Type II
	3 x SATA 3Gb/s
<b>I/O Interface</b>	
Display	1 x VGA (up to 2048 x 1536 @75Hz)
<b>Environment</b>	
Humidity	10% ~ 95%, non-condensing
Operating Temperature	-10°C ~ 60°C
<b>Power</b>	
Power consumption	5V@3.38A, 12V@0.54A (Intel® Dual Core Atom™ D525 1.80GHz with 1GB DDR3 800MHz memory on board)
	5V@3.28A, 12V@0.43A (Intel® Single Core Atom™ D425 1.80GHz with 1GB DDR3 800MHz memory on board)
	5V@3.13A, 12V@0.32A (Intel® Single Core Atom™ N455 1.66GHz with 1GB DDR3 800MHz memory on board)
<b>I/O Interface</b>	
Digital I/O	8-bit digital I/O (4-bit input, 4-bit output)
<b>System</b>	
Chipset	Intel® B65
CPU	Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor
<b>I/O Interface</b>	
I/O Interface	6 x Internal USB 2.0
<b>I/O Interface</b>	
Ethernet	LAN1: Realtek RTL8111E GbE controller with ASF 2.0 support
	LAN2: Realtek RTL8111E GbE controller
<b>System</b>	
CPU Socket	LGA1155

Memory Max.	One 204-pin 800MHz DDR3 SDRAM SO-DIMM
	supported (system max. 4GB for D525/D425, 2GB for
	N455) (compatible w/128MB*8 SDRAM)
	On-board 1 GB DDR3 800 MHz memory
Expansion Slots	
Expansion Slots	PCIe signal and PCI signal via golden finger
I/O Interface	
I/O Interface	3 x RS-232
Watchdog Timer	
Watchdog Timer	Software programmable supports 1~255 sec. system reset
I/O Interface	
Audio	Supports 7.1 channel HD audio by IEI AC-KIT-892HD-R10 kit
I/O Interface	
I/O Interface	1 x USB 2.0

## Ordering Information

PIC0e-PV-D5251-R11	Half-size PCIe CPU card with Intel Atom Dual Core D525 1.80GHz/1MB L2 cache, DDR3 1GB Memory on board, VGA/LVDS, Dual PCIe GbE, USB2.0, SATA II and Audio, RoHS
PIC0e-PV-D4251-R11	Half-size PCIe CPU card with Intel Atom Single Core D425 1.80GHz/512KB L2 cache, DDR3 1GB Memory on board, VGA/LVDS, Dual PCIe GbE, USB2.0, SATA II and Audio, RoHS
PIC0e-PV-N4551-R11	Half-size PCIe CPU card with Intel Atom Single Core N455 1.66GHz/512KB L2 cache, DDR3 1GB Memory on board, VGA/LVDS, Dual PCIe GbE, USB2.0, SATA II and Audio, RoHS