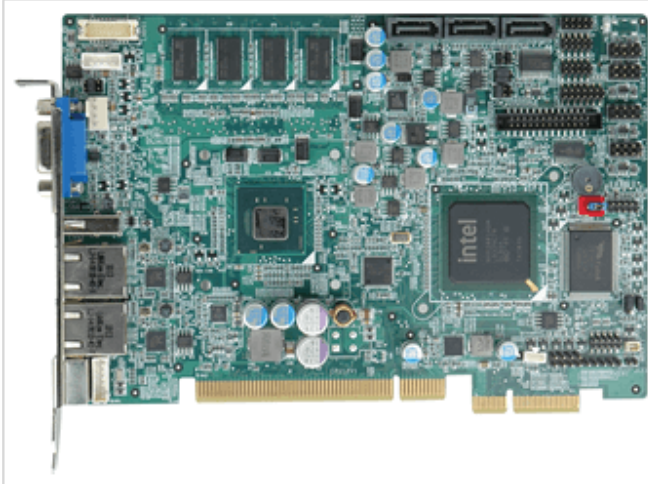


# PICOe-PV- D4251/N4551/D5251

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 |