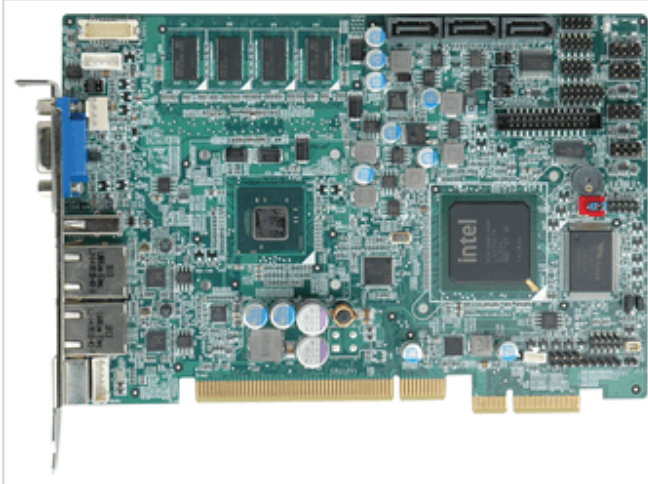


PICOe-PV- D4251/N4551/D5251

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

| | |
|-----------------------|--|
| Storage | |
| Storage | 1 x CF Type II |
| | 3 x SATA 3Gb/s |
| I/O Interface | |
| Display | 1 x VGA (up to 2048 x 1536 @75Hz) |
| Environment | |
| Humidity | 10% ~ 95%, non-condensing |
| Operating Temperature | -10°C ~ 60°C |
| Power | |
| 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) |
| I/O Interface | |
| Digital I/O | 8-bit digital I/O (4-bit input, 4-bit output) |
| System | |
| Chipset | Intel® B65 |
| CPU | Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor |
| I/O Interface | |
| I/O Interface | 6 x Internal USB 2.0 |
| I/O Interface | |
| Ethernet | LAN1: Realtek RTL8111E GbE controller with ASF 2.0 support |
| | LAN2: Realtek RTL8111E GbE controller |
| System | |
| 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 |