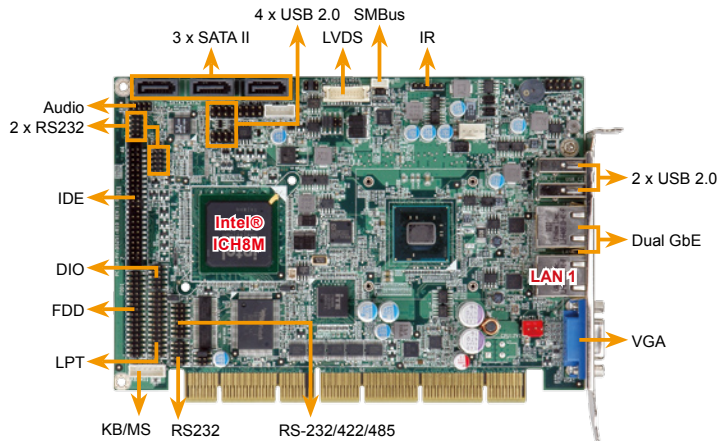
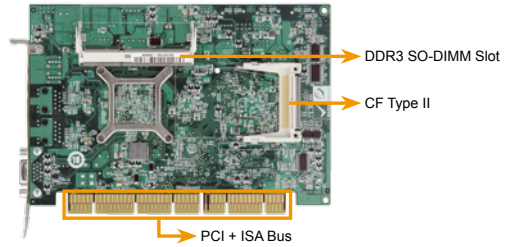


PCISA-PV-D4251 N4551 D5251

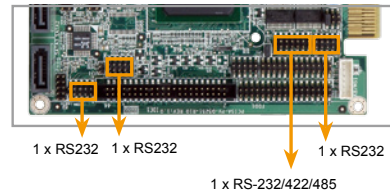
Half-size PCISA CPU card with Intel® Atom™ D425/N455/D525, DDR3, VGA/LVDS, Dual PCIe GbE, USB 2.0, four COM, three SATA II, Audio and RoHS



Solder Side



Four COM Ports Solution (3 x RS-232, 1 x RS-232/422/485)



Specifications

- CPU**
 Intel® Atom™ D525 dual-core processor (1.80GHz/1MB L2 cache)
 Intel® Atom™ D425 single-core processor (1.80GHz/512KB L2 cache)
 Intel® Atom™ N455 single-core processor (1.66GHz/512KB L2 cache)
- Chipset**
 Intel® ICH8M
- BIOS**
 UEFI BIOS
- Memory**
 One 204-pin 800MHz DDR3 SDRAM SO-DIMM supported (System max. 2GB)
- Graphics Engine**
 GMA 3150
 Gen3.5 DX9, 400MHz for D525/D425
 Gen3.5 DX9, 200MHz for N455
- Display Interface**
 Analog CRT up to 2048x1536 for D525/ D425, 1400x1050 for N455
 Support for CRT hot plug
 18-bit Single channel LVDS, resolution support up to WXGA 1366x768 or XGA 1024x768
- Ethernet**
 Dual PCIe GbE by Realtek RT8111E, LAN1 supports ASF2.0
- I/O Interface**
 3 x RS-232 1 x RS232/422/485 with Auto Flow control
 1 x FDD 1 x LPT
 1 x KB/MS 1 x Infrared
 1 x CF Type II 3 x SATA II
 1 x IDE 6 x USB 2.0 (4 by pin-header, 2 on rear side)
- Audio**
 Realtek ALC888 HD codec
- SMBus**
 1 x 4-pin wafer connector
- TPM (Optional)**
 On board INFINEON SLB9635TT1.2
- Expansion**
 4 x PCI bus support
 ISA bus support by ITE IT8888G PCI to ISA bridge
- Digital I/O**
 8-bit digital I/O, 4-bit input / 4-bit output
- Super IO**
 Fintek F81865
- Watchdog Timer**
 Software programmable supports 1~255 sec. system reset
- Fan connector**
 1 x 4-pin fan connector (smart fan)
- Power Supply**
 5V/12V by PCISA bus, AT/ATX mode support
- Power Consumption**
 12V@0.57A, 5V@3.36A (Intel® Atom™ D525 dual-core processor 1.80GHz with 1GB 1066 DDR3 memory)
- Temperature**
 -20°C ~ 60°C with free air, -20°C ~ 70°C with force air for D525 processor
 -20°C ~ 65°C with free air, -20°C ~ 70°C with force air for D425 processor
 -20°C ~ 70°C with free air, -20°C ~ 75°C with force air for N455 processor
- Humidity**
 Operation: 5% ~ 95% non-condensing
- Weight**
 GW: 1000g / NW: 250g



One Key Recovery

Features

- PCISA CPU card support PCI and ISA bus expansion
- Support Intel® Atom™ D525/ D425 /N455 processor
- Support VGA and 18-bit single channel LVDS with dual display
- Support 800MHz DDR3 SDRAM SO-DIMM up to 2GB
- Support four COM, six USB 2.0, three SATA II, IDE and CF type II
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Packing List

1 x PCISA-PV-D4251/N4551/D5251 single board computer	
1 x LPT/RS232 cable (P/N: 19800-000027-RS)	
3 x SATA cable (P/N: 32000-062800-RS)	
1 x USB cable (P/N: CB-USB02-RS)	1 x Mini jumper pack
1 x QIG	1 x Utility CD

Ordering Information

Part No.	Description
PCISA-PV-D5251-R10	Half-size PCISA CPU card with Intel® Dual Core Atom™ D525 1.80GHz/1MB L2 cache, VGA/LVDS, Dual PCIe GbE, USB 2.0, 4 COM, 3 SATA II and audio, RoHS
PCISA-PV-D5251T-R10	Half-size PCISA CPU card with Intel® Dual Core Atom™ D525 1.80GHz/1MB L2 cache, VGA/LVDS, Dual PCIe GbE, USB 2.0, 4 COM, 3 SATA II and audio, TPM, RoHS
PCISA-PV-D4251-R10	Half-size PCISA CPU card with Intel® Single Core Atom™ D425 1.80GHz/512KB L2 cache, VGA/LVDS, Dual PCIe GbE, USB 2.0, 4 COM, 3 SATA II and audio, RoHS
PCISA-PV-D4251T-R10	Half-size PCISA CPU card with Intel® Single Core Atom™ D425 1.80GHz/512KB L2 cache, VGA/LVDS, Dual PCIe GbE, USB 2.0, 4 COM, 3 SATA II and audio, TPM, RoHS
PCISA-PV-N4551-R10	Half-size PCISA CPU card with Intel® Single Core Atom™ N455 1.66GHz/512KB L2 cache, VGA/LVDS, Dual PCIe GbE, USB 2.0, 4 COM, 3 SATA II and audio, RoHS
PCISA-PV-N4551T-R10	Half-size PCISA CPU card with Intel® Single Core Atom™ N455 1.66GHz/512KB L2 cache, VGA/LVDS, Dual PCIe GbE, USB 2.0, 4 COM, 3 SATA II and audio, TPM, RoHS
19800-000075-RS	KB/MS cable with bracket
32200-000058-RS	FDD cable
32102-000100-200-RS	SATA power cable
32200-000052-RS	IDE cable
19800-000111-RS	Audio cable
19FTS00032100-000001-RS	CPU fan