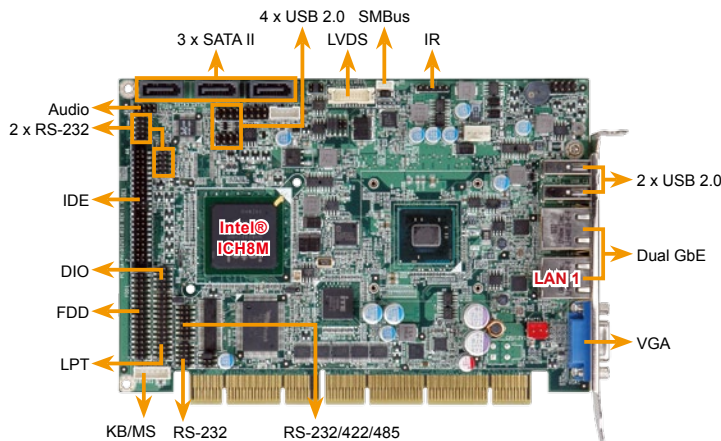
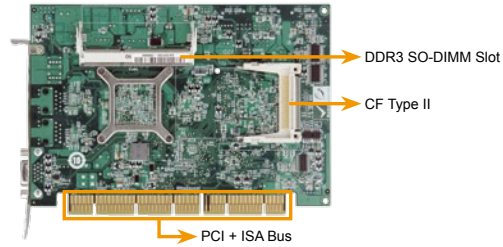


PCISA-PV-D4251/N4551/D5251

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

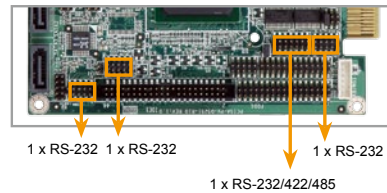


Solder Side



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. 4GB for D525/D425 and 2GB for N455)
- ◆ 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
 - Supports for CRT hot plug
 - 18-bit single-channel LVDS supports resolution up to WXGA 1366x768 or XGA 1024x768
- ◆ Ethernet
 - Dual PCIe GbE by Realtek RT8111E, LAN1 supports ASF 2.0
- ◆ I/O Interface

3 x RS-232	1 x IDE
1 x FDD	1 x LPT
1 x KB/MS	1 x Infrared
1 x CF Type II	3 x SATA II
1 x RS-232/422/485 with auto flow control	
6 x USB 2.0 (4 by pin-header, 2 on rear side)	
- ◆ Super IO
 - Fintek F81865
- ◆ 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
- ◆ 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
 - 5V@3.36A, 12V@0.57A (Intel® dual-core Atom™ D525 1.80GHz with 1GB 1066MHz DDR3 memory)
 - 5V@3.25A, 12V@0.48A (Intel® single-core Atom™ D425 1.80GHz with 1GB 1066MHz DDR3 memory)
 - 5V@3.21A, 12V@0.43A (Intel® single-core Atom™ N455 1.66GHz with 1GB 1066MHz 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



Features

1. PCISA CPU card supports PCI and ISA bus expansion
2. Supports Intel® Atom™ D525/D425/N455 processor
3. Supports VGA and 18-bit single-channel LVDS with dual display
4. Supports 800MHz DDR3 SDRAM SO-DIMM up to 4GB for D525/D425 and 2GB for N455
5. Supports four COM, six USB 2.0, three SATA II, IDE and CF type II
6. 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/RS-232 cable (P/N: 19800-002300-100-RS)

1 x One Key Recovery CD

1 x Audio cable (P/N: 19800-000111-RS)

1 x Mini jumper pack

3 x SATA cable (P/N: 32801-000703-200-RS)

1 x Utility CD

1 x USB cable (P/N: 19800-003100-200-RS)

1 x QIG

Ordering Information

Part No.	Description
PCISA-PV-D5251-R10	PCISA CPU card with Intel® D525 1.80GHz, VGA/LVDS, dual PCIe GbE, USB 2.0, 4 COM, 3 SATA II and audio, RoHS
PCISA-PV-D5251T-R10	PCISA CPU card with Intel® D525 1.80GHz, VGA/LVDS, dual PCIe GbE, USB 2.0, 4 COM, 3 SATA II and audio, TPM, RoHS
PCISA-PV-D4251-R10	PCISA CPU card with Intel® D425 1.80GHz, VGA/LVDS, dual PCIe GbE, USB 2.0, 4 COM, 3 SATA II and audio, RoHS
PCISA-PV-D4251T-R10	PCISA CPU card with Intel® D425 1.80GHz, VGA/LVDS, dual PCIe GbE, USB 2.0, 4 COM, 3 SATA II and audio, TPM, RoHS
PCISA-PV-N4551-R10	PCISA CPU card with Intel® N455 1.66GHz, VGA/LVDS, dual PCIe GbE, USB 2.0, 4 COM, 3 SATA II and audio, RoHS
PCISA-PV-N4551T-R10	PCISA CPU card with Intel® N455 1.66GHz, VGA/LVDS, dual PCIe GbE, USB 2.0, 4 COM, 3 SATA II and audio, TPM, RoHS
19800-004300-100-RS	RS-232/422/485 cable with bracket
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
31100-000327-RS	CPU fan