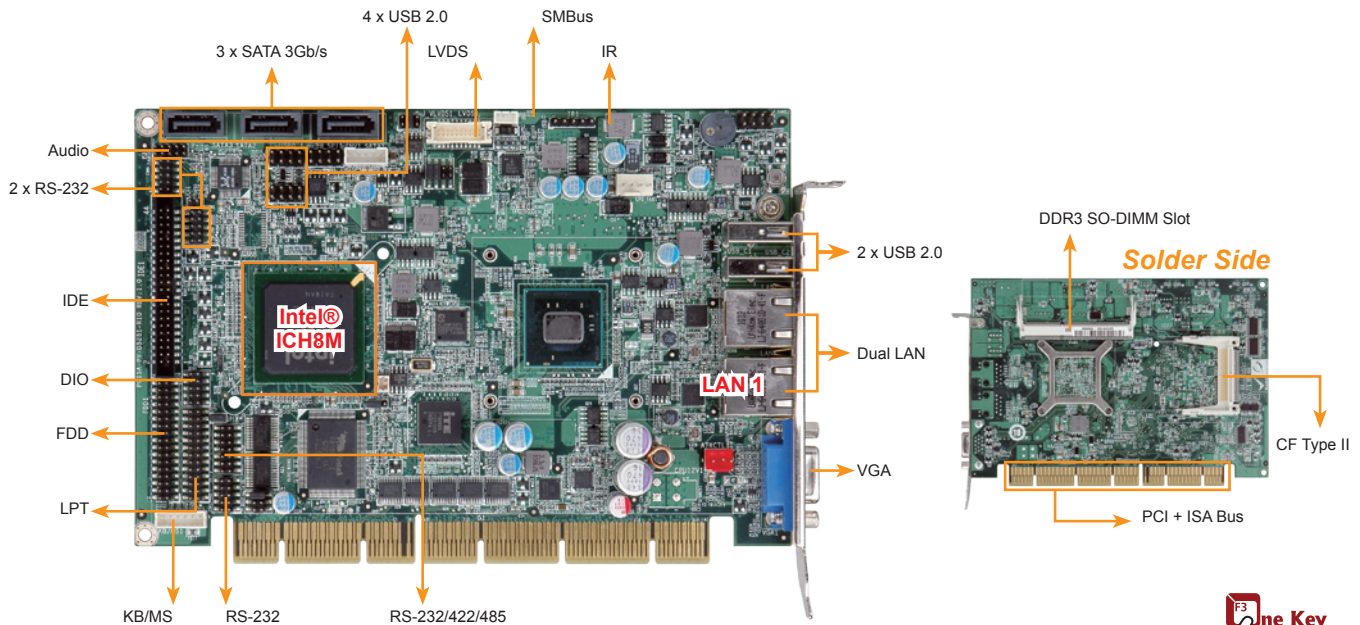


# PCISA-PV-D5251

Half-size PCISA CPU Card with Intel® Atom™ D425/N455/D525, DDR3, VGA, LVDS, Dual PCIe GbE, USB 2.0, Four COM, Three SATA 3Gb/s, Audio and RoHS



## Specifications

- ◆ CPU  
Intel® Atom™ D525 dual-core processor (1.80GHz/1MB L2 cache)
- ◆ Chipset  
Intel® ICH8M
- ◆ BIOS  
UEFI BIOS
- ◆ Memory  
One 204-pin 800 MHz DDR3 SDRAM SO-DIMM supported (system max. 4 GB)
- ◆ Graphics Engine  
GMA 3150  
Gen 3.5 DX9, 400 MHz for D525
- ◆ Display Interface  
Analog CRT up to 2048x1536 for D525  
Supports for CRT hot plug  
18-bit single-channel LVDS supports resolution up to WXGA 1366x768 or XGA 1024x768
- ◆ Ethernet  
LAN1: Realtek RT8111E with ASF 2.0 support  
LAN2: Realtek RT8111E
- ◆ I/O Interface
 

1 x CF Type II	1 x KB/MS
1 x FDD	1 x LPT
1 x IDE	3 x RS-232
1 x Infrared	3 x SATA 3Gb/s
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
- ◆ Expansions  
4 x PCI bus support  
ISA bus support by ITE IT8888G PCI to ISA bridge
- ◆ Digital I/O  
8-bit digital I/O
- ◆ Watchdog Timer  
Software programmable supports 1~255 sec. system reset
- ◆ Fan Connctor  
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 1 GB 1066 MHz DDR3 memory)
- ◆ Operating Temperature  
-20°C ~ 60°C with free air, -20°C ~ 70°C with force air for D525 processor
- ◆ Storage Temperature  
-30°C ~ 80°C
- ◆ Operating Humidity  
5% ~ 95%, non-condensing
- ◆ Weight  
1000g (GW)/250g (NW)

## Features

- PCISA CPU card supports PCI and ISA bus expansion
- Supports Intel® Atom™ D525 processor
- Supports VGA and 18-bit single-channel LVDS with dual display
- Supports 800 MHz DDR3 SDRAM SO-DIMM up to 4 GB
- Supports four COM, six USB 2.0, three SATA 3Gb/s, 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-D5251 single board computer
1 x LPT/RS-232 cable (P/N: 19800-002300-200-RS)
1 x USB cable (P/N: 19800-003100-300-RS)
1 x Audio cable (P/N: 19800-000111-RS)
3 x SATA cable (P/N: 32000-062800-RS)
1 x Mini jumper pack
1 x One Key Recovery CD
1 x QIG
1 x Utility CD

## Ordering Information

Part No.	Description
PCISA-PV-D5251-R10	PCISA CPU card with Intel® Atom™ D525 1.80GHz, VGA, LVDS, dual PCIe GbE, USB 2.0, 4 COM, 3 SATA 3Gb/s, audio and RoHS
19800-000075-RS	KB/MS cable with bracket
19800-004300-100-RS	RS-232/422/485 cable with bracket
19FFD124010HB2A7-000001-RS	CPU fan
32102-000100-200-RS	SATA power cable
32200-000009-RS	IDE cable 44 to 44 pin (pitch: 2.0-2.0)
32221-001700-100-RS	IDE cable 44 to 40 pin to 40 pin (pitch: 2.0-2.54-2.54)
32229-000400-100-RS	FDD cable
34000-000510-RS	30mm higher heatsink