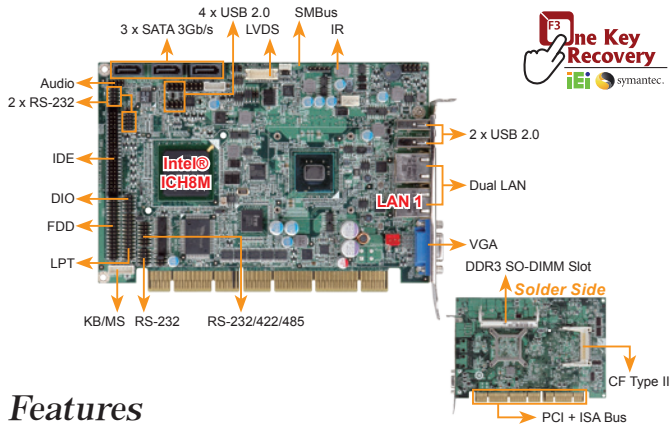


# PCISA-PV-D5251

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



## 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

## 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 FDD
  - 1 x IDE
  - 1 x Infrared
  - 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 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 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)

## Packing List

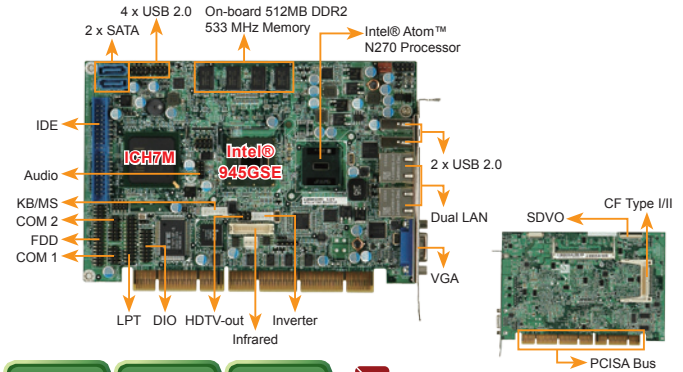
1 x PCISA-PV-D5251 single board computer	
1 x LPT/RS-232 cable (P/N: 19800-002300-200-RS)	
1 x USB cable (P/N: 19800-003100-300-RS)	
1 x Audio cable (P/N: 19800-000111-RS)	1 x One Key Recovery CD
3 x SATA cable (P/N: 32000-062800-RS)	1 x QIG
1 x Mini jumper pack	1 x Utility CD

## 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

# PCISA-945GSE-R11

Half-size PCISA CPU Card with Intel® Atom™ Processor, 512 MB Memory on Board, VGA, LVDS, HDTV-out, Dual PCIe GbE, USB 2.0 and SATA



Intel Atom™

FSB 533

On-board memory

Dual DDR2 533

Fanless

Dual Display

USB 2.0

SERIAL ATA

Gigabit Ethernet PCIe

PCle GbE

## Features

- PCISA CPU card supports four PCI and ISA expansions
- Intel® Atom™ N270 processors at 1.6GHz core speed with 533 MHz FSB and 512KB L2 cache
- 512 MB of 533 MHz DDR2 SDRAM on board
- Supports VGA, HDTV-out up to 1080i and 18-bit dual-channel LVDS with dual display support
- Two SATA, one IDE, floppy and CF Type I/II for data storage
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

- ◆ CPU: On-board Intel® Atom™ N270 processor (1.6 GHz 512 KB L2 cache with 533 MHz FSB)
- ◆ System Chipset: Intel® 945GSE + ICH7M
- ◆ BIOS: AMI BIOS
- ◆ System Memory: On-board 512 MB DDR2 533 MHz memory, One 200-pin (system memory max. 2 GB) 533 MHz DDR2 SDRAM DIMM supported
- ◆ Ethernet: Dual PCIe Realtek 8111CP GbE
- ◆ I/O Interface:
  - 1 x CF Type I/II
  - 1 x FDD
  - 1 x IDE
  - 1 x LPT
  - 6 x USB 2.0 (2 on bracket, 4 on board by pin header)
- ◆ Digital I/O: 8-bit digital I/O
- ◆ Infrared Interface: 1 x Infrared by pin header
- ◆ Super IO: ITE IT8718F
- ◆ Display Interface: VGA integrated in Intel® 945GSE, HDTV/TV supports NTSC/PAL and HDTV resolution up to 1080i, 18-bit dual-channel LVDS
- ◆ Audio: Supports 7.1-channel HD Audio or 5.1-channel AC'97 audio by IEI audio kits
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ Power Supply: AT/ATX power
- ◆ Power consumption: 5V@2.89A, 12V@0.22A (Intel® Atom™ N270 1.6GHz/533 MHz CPU with 512 MB 533 MHz DDR2)
- ◆ Operating Temperature: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Storage Temperature: -10°C ~ 70°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 185 mm x 127.6 mm
- ◆ Weight: 1000g/NW: 252g

## Packing List

1 x PCISA-945GSE single board computer	
1 x LPT/RS-232 cable (P/N: 19800-003500-100-RS)	
1 x USB cable (P/N: 19800-003100-300-RS)	1 x Mini jumper pack
2 x SATA cable (P/N: 32000-062800-RS)	1 x QIG
1 x One Key Recovery CD	1 x Utility CD

## Ordering Information

Part No.	Description
PCISA-945GSE-N270-512MB-R11	PCISA CPU card with Intel® Atom™ N270 1.6GHz processor, 512 MB memory on board, VGA, LVDS, HDTV-out, dual PCIe GbE, USB 2.0, SATA
19800-000075-RS	KB/MS cable with bracket
19800-004300-100-RS	RS-232/422/485 cable with bracket
32102-000100-200-RS	SATA power cable
32225-002000-200-RS	ATA 66 flat cable
32229-000400-100-RS	FDD cable w/o bracket
AC-KIT08R-R10	5.1-channel AC'97 audio kit with Realtek ALC655
AC-KIT-892HD-R10	7.1-channel HD Audio kit with Realtek ALC892 supports dual audio streams