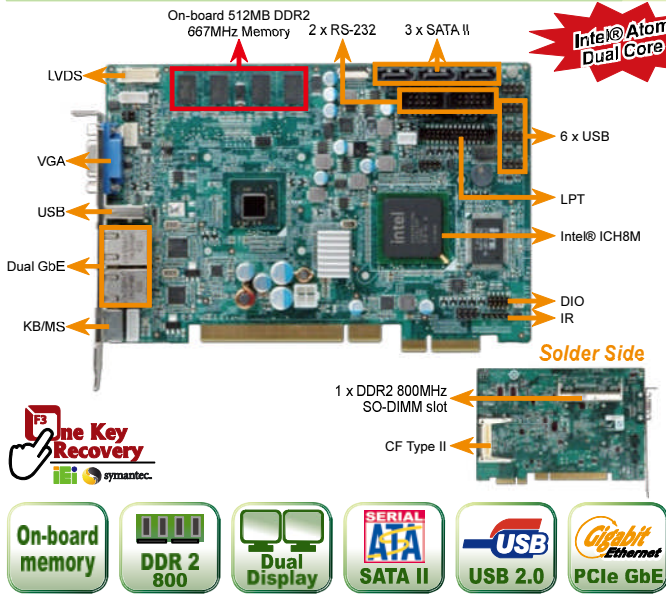


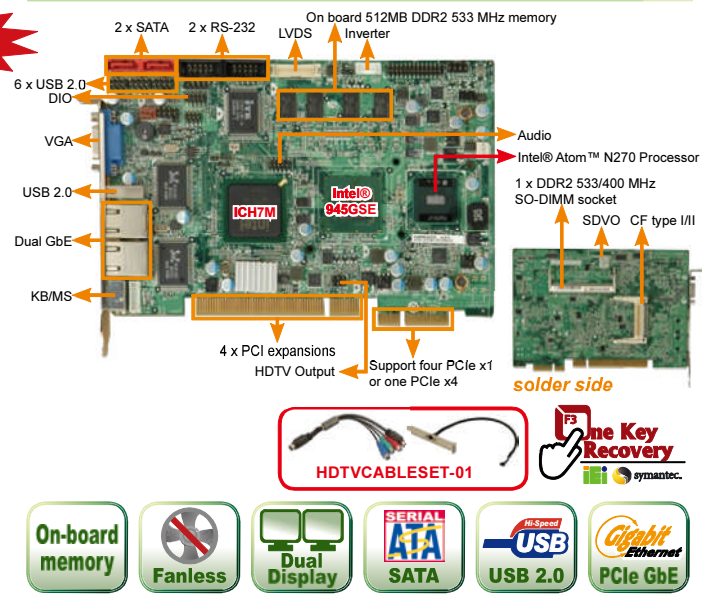
# PICOe-PV-D510

Half-size PCIe CPU Card with Intel® Atom™ D510 1.66GHz/1MB L2, 512MB Memory on board, VGA/LVDS, Dual Intel GbE, USB2.0 and SATA II, RoHS



# PICOe-945GSE

Half-size PCIe CPU Card with Intel® Atom™ processor, 512MB memory on board, VGA/LVDS/HDTV-out, Dual GbE, USB 2.0 and SATA



## Features

1. PCIe CPU card supports four PCIe x1 or one PCIe x4 and four PCI expansions
2. Intel® Atom™ dual core processor D510 at 1.66GHz core speed with a 1MB L2 Cache
3. 512MB of 667 MHz DDR2 SDRAM on board and one expansion SO-DIMM slot support
4. Support VGA and 18-bit single-channel LVDS with dual-display support
5. I/O includes, two RS-232, seven USB 2.0 and three SATA II
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

- ◆ CPU: On-board 1.66GHz Intel® Atom™ D510 processor with 1MB L2 Cache
- ◆ System Chipset: Intel® ICH8M
- ◆ BIOS: AMI BIOS
- ◆ Memory: 1x 200-pin 667/800MHz DDR2 SDRAM SO-DIMM supported (max. 2GB)  
On-board 512MB 667MHz DDR2 memory
- ◆ Graphic: GMA3150
- ◆ Ethernet: Intel® GbE Phy 82567V + PCIe GbE 82583V
- ◆ I/O Interfaces: 2 x RS-232, 1 x LPT, 3 x SATA II, 1 x PS/2 for KB/MS, 1 x CF Type II, 1 x 6-pin wafer header for KB/MS, 7 x USB2.0 (six by header, one on rear side)
- ◆ Digital I/O: 8-bit digital I/O (4-bit input, 4-bit output)
- ◆ Super IO: ITE IT8718
- ◆ Infrared Interface: 1 x 5-pin header
- ◆ Display Output: Analog CRT: up to 2048x1536  
Support for CRT hot plug  
Single-channel 18-bit LVDS support up to XGA (1024x768) & WXGA (1366x768) resolution
- ◆ Expansion: Four PCI  
Four PCI Express x1 or one PCI Express x4
- ◆ Audio: Support 7.1 channel HD Audio by IEI AC-KIT-888HD-R10 kit
- ◆ Watchdog Timer: Software Programmable support 1~255 sec. System reset
- ◆ Power Consumption: 5V@4.55A, 12V@0.46A (Intel® Atom™ D510 1.66GHz CPU, 1GB 667MHz DDR2)
- ◆ Power Supply: 5V/12V, AT/ATX support
- ◆ Fan Connector: 1 x 4-pin Fan Connector
- ◆ Temperature: Operation: 0°C ~ 60°C (32°F~140°F)
- ◆ Humidity: Operation: 5% ~ 95%, non-condensing
- ◆ Dimensions: 185 mm x 122 mm
- ◆ Weight: GW: 1000g / NW: 260g

## Packing List

1 x PICOe-PV-D510 Single board computer	
1 x KB/MS Y cable (P/N: 32006-000300-100-RS)	
1 x ATX Power cable (P/N: 32102-006500-200-RS)	
1 x Dual RS-232 cable (P/N: 19800-000051-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
PICOe-PV-D510-R10	Half-size PCIe CPU Card with Intel® Atom™ D510 1.66GHz/1MB L2, 512MB Memory on board, VGA/LVDS, Dual Intel GbE, USB2.0 and SATA II, RoHS
AC-KIT-888HD-R10	7.1 channel HD Audio kit with Realtek ALC888 codec and dual audio streams support
19800-000075-RS	KB/MS cable with bracket
32102-000100-100-RS	SATA power cable
32102-000100-200-RS	
32200-015100-RS	LPT cable

## Features

1. PCIe CPU card supports four PCIe x1 or one PCIe x4 and 4 x PCI expansions
2. Intel® Atom™ processor N270 at 1.6GHz core speed with a 533 MHz FSB and 512 KB L2 cache
3. 512 MB of 533 MHz DDR2 SDRAM on board
4. Support VGA, HDTV-out (up to 1080i) and 18-bit dual-channel LVDS with dual-display support
5. I/O includes two RS-232, seven USB 2.0 and two SATA
6. 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 a 533MHz FSB
- ◆ System Chipset: Intel® 945GSE + ICH7M
- ◆ BIOS: AMI BIOS
- ◆ System Memory: On board 512 MB DDR2 533 MHz memory and One 200-pin 533/400 MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet: Dual PCI Realtek 8110SC GbE
- ◆ Digital I/O: 2 x RS-232, 2 x SATA, 1 x LPT, 1 x CF type I/II, 1 x PS/2 connector for KB/MS, 7 x USB 2.0 (1 on bracket, 6 on board by pin header)
- ◆ Infrared Interface: 8-bit digital I/O, 4-bit input/ 4-bit output
- ◆ Infrared Interface: 1 x Infrared by pin header
- ◆ Super I/O: ITE IT8718F
- ◆ Display Interface: VGA Integrated in Intel® 945GSE  
HDTV/TV support NTSC/PAL and HDTV resolution up to 1080i  
18-bit dual-channel LVDS
- ◆ Audio: Support 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 1.6 GHz / 533 MHz CPU with 1GB DDR2 533 MHz)
- ◆ Temperature: Operation: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity: Operation: 5% ~95% non-condensing
- ◆ Dimensions: 185 mm x 122 mm
- ◆ Weight: GW: 1000 g / NW: 250 g

## Packing List

1 x PICOe-945GSE single board computer	
1 x KB/MS Y cable (P/N: 32006-000300-100-RS)	
1 x Dual RS-232 cable (P/N: 19800-000051-RS)	2 x SATA cable (P/N: 32000-062800-RS)
1 x USB cable (P/N: CB-USB02-RS)	1 x Mini jumper pack
1 x Utility CD	1 x QIG

## Ordering Information

Part No.	Description
PICOe-945GSE-N270-512MB-R10	PCIe CPU Card with Intel® Atom™ N270 1.6 G processor, 512 MB memory on board, VGA/LVDS/HDTV-out, Dual GbE, USB 2.0, SATA
AC-KIT-888HD-R10	7.1 channel HD audio kit with realtek ALC888 support dual audio streams
AC-KIT08R-R10	5.1 channel AC'97 audio kit with realtek ALC655
HDTV CABLESET-01	HDTV cable set with S-Video, composite and component Interfaces
32102-000100-200-RS	SATA power cable
32200-015100-RS	LPT cable

1

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