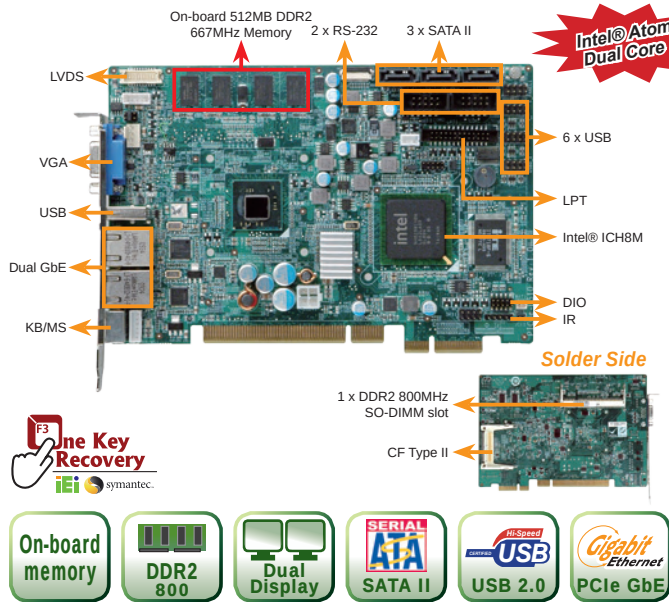


PIC0e-PV-D510

Half-size PCIe CPU card with Intel® Atom™ D510 1.66GHz/1MB L2, 512MB Memory on board, VGA/LVDS, Dual Intel® GbE, USB 2.0 and SATA II, RoHS



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
- ◆ Graphics: 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 for KB/MS, 7 x USB 2.0 (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
Supports for CRT hot plug
Single-channel 18-bit LVDS supports 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 supports 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

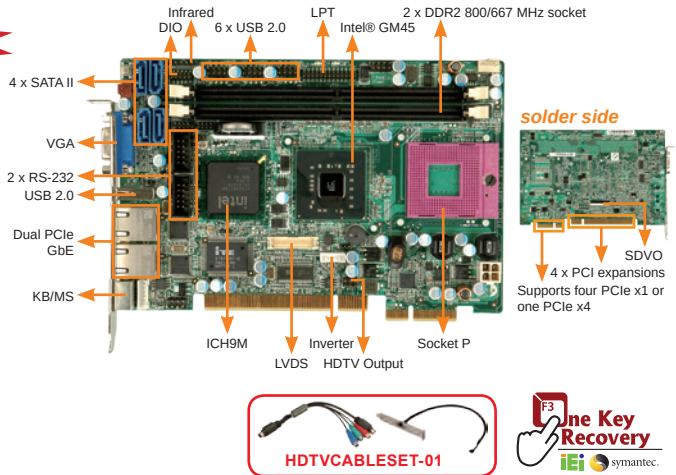
1 x PIC0e-PV-D510 single board computer	
1 x ATX power cable (P/N: 32102-006500-200-RS)	
1 x KB/MS Y cable (P/N: 32006-000300-100-RS)	1 x One Key Recovery
1 x Dual RS-232 cable (P/N: 19800-000051-RS)	1 x Mini jumper pack
1 x USB cable (P/N: 19800-003100-200-RS)	1 x QIG
3 x SATA cable (P/N: 32801-000703-200-RS)	1 x Utility CD

Ordering Information

Part No.	Description
PIC0e-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, USB 2.0 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
32102-000100-200-RS	SATA power cable
32200-015100-RS	LPT cable

PIC0e-GM45A

Half-size PCIe CPU card supports socket P Intel® Core™2 Duo processors and comes with VGA, LVDS, HDTV-out, Dual PCIe GbE, SATA II and USB 2.0



Features

1. PCIe CPU card supports four PCIe x1 or one PCIe x4 and 4 x PCI expansions
2. Supports Intel® 45nm socket P Core™2 Duo processors with a 1066/800/667 MHz FSB
3. Built-in Intel® GMA 4500MHD with hardware MPEG-2 decoding, WMV9 and H.264 supported
4. 4GB (max.) of 800/667MHz dual-channel DDR2 memory supported
5. Dual PCIe GbE, two RS-232, seven USB 2.0 and four SATA II
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU: Socket P Intel® Core™2 Duo processor with a 1066/800/667 MHz FSB
- ◆ System Chipset: Intel® GM45 + ICH9M
- ◆ BIOS: AMI BIOS
- ◆ System Memory: Two 240-pin 800/667 MHz dual-channel DDR2 SDRAM DIMM supported (system max. 4 GB)
- ◆ Ethernet: Dual Intel® 82574L PCIe GbE controller
- ◆ I/O Interface: 2 x RS-232, 7 x USB 2.0, 4 x SATA II, 1 x LPT, 1 x PS/2 connector for KB/MS
- ◆ Digital I/O: 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® GM45
HDTV/TV supports NTSC/PAL and HDTV resolution up to 1080i
18/24-bit dual-channel LVDS
- ◆ Audio: HD audio supported by IEI AC-KIT-888HD-R10
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ Power Supply: AT/ATX function supported
- ◆ Power consumption: 5V@5.59A, 12V@0.15A (Intel® Core™2 Duo T9400 2.53 GHz with 4 GB DDR2 800 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 PIC0e-GM45A single board computer	
1 x SATA power cable (P/N: 32102-000100-200-RS)	
1 x KB/MS Y cable (P/N: 32006-000300-100-RS)	1 x One Key Recovery
1 x Dual RS-232 cable (P/N: 19800-000051-RS)	1 x Mini jumper pack
1 x USB cable (P/N: 19800-003100-200-RS)	1 x Utility CD
2 x SATA cable (P/N: 32801-000703-200-RS)	1 x QIG

Ordering Information

Part No.	Description
PIC0e-GM45A-R10	PCIe CPU card supports Intel® Core™2 Duo CPU with VGA/LVDS/HDTV-out, GbE, USB 2.0 and SATA
CF-479B-RS	CPU cooler (50 mm x 50 mm x 26 mm, 50 W)
AC-KIT-888HD-R10	7.1 channel HD audio kit with Realtek ALC888 supports dual audio streams
HDTV CABLESET-01	HDTV cable set with S-Video, composite and component interfaces
32200-015100-RS	LPT cable
32100-087100-RS	ATX-12V cable

1

Industrial Computing Solutions

2

Video Capture Solutions

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Embedded Computing Solutions

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ORing Network Communication

5

Power Supply/Peripherals

6

Panel Solutions Introduction