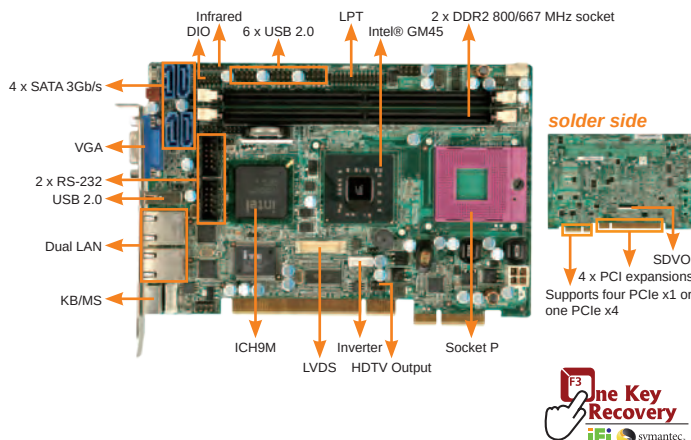


PICOe-GM45A

Half-size PCIe CPU card supports socket P Intel® Core™2 Duo processors and comes with VGA, LVDS, HDTV-out, Dual PCIe GbE, SATA 3Gb/s 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 1066/800/667MHz 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 3Gb/s
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 3Gb/s
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-892HD-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)
- ◆ 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 122 mm
- ◆ Weight: GW: 1000 g/NW: 250 g

Packing List

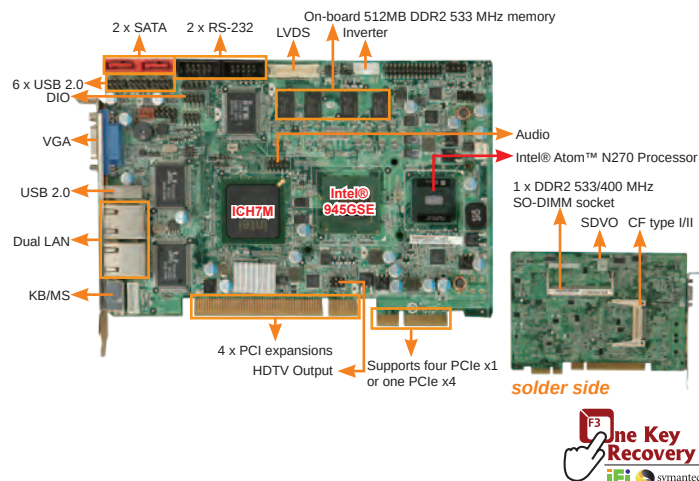
1 x PICOe-GM45A single board computer	
1 x SATA power cable (P/N: 32102-000100-200-RS)	
1 x KB/MS Y cable (P/N: 32006-000300-100-RS)	1 x One Key Recovery
1 x Dual RS-232 cable (P/N: 19800-000051-RS)	1 x Mini jumper pack
1 x USB cable (P/N: 19800-003100-300-RS)	1 x Utility CD
2 x SATA cable (P/N: 32000-062800-RS)	1 x QIG

Ordering Information

Part No.	Description
PICOe-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-R11	CPU cooler (50 mm x 50 mm x 26 mm, 50 W)
AC-KIT-892HD-R10	7.1 channel HD audio kit with Realtek ALC892 supports dual audio streams
32200-015100-RS	LPT cable
32100-087100-RS	ATX-12V cable

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 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. Supports 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
- ◆ I/O Interface
2 x RS-232
1 x LPT
1 x PS/2 connector for KB/MS
7 x USB 2.0 (1 on bracket, 6 on board by pin header)
- ◆ 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® 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 1.6 GHz/533 MHz CPU with 1GB DDR2 533 MHz)
- ◆ 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 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 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: 19800-003100-300-RS)	1 x Utility CD
2 x SATA cable (P/N: 32000-062800-RS)	1 x QIG

Ordering Information

Part No.	Description
PICOe-945GSE-N270-512MB-R10	PCIe CPU card with Intel® Atom™ N270 1.6 GHz processor, 512 MB memory on board, VGA/LVDS/HDTV-out, Dual GbE, USB 2.0, SATA
AC-KIT-892HD-R10	7.1 channel HD audio kit with Realtek ALC892 supports dual audio streams
AC-KIT08R-R10	5.1 channel AC'97 audio kit with Realtek ALC655
32102-000100-200-RS	SATA power cable
32200-015100-RS	LPT cable

1
Industrial
Computing
Solutions

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Video
Capture
Solutions

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Embedded
Computing
Solutions

4
Automation
Control

5
ORing
Network
Communication

6
Power Supply/
Peripherals

7
Panel
Solutions
Introduction