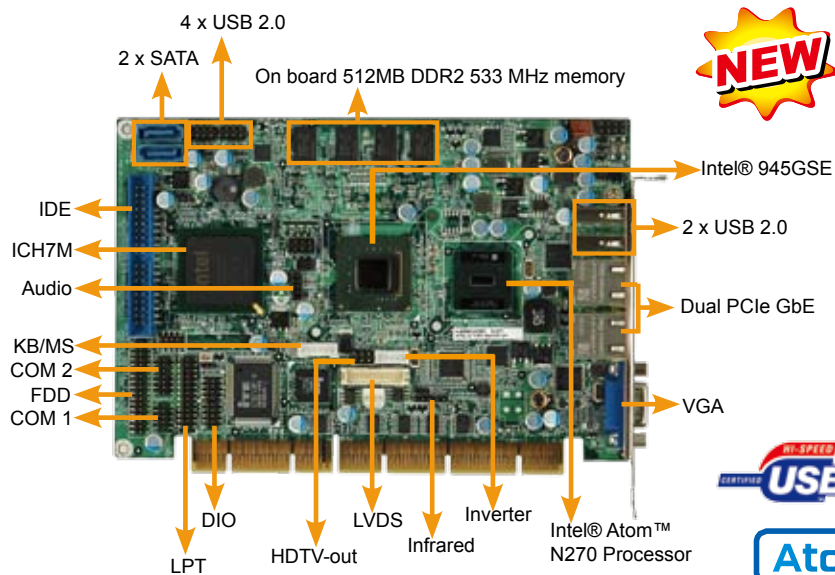
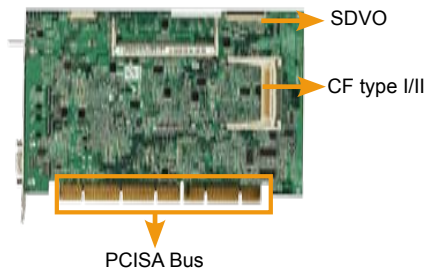


PCISA-945GSE-R11

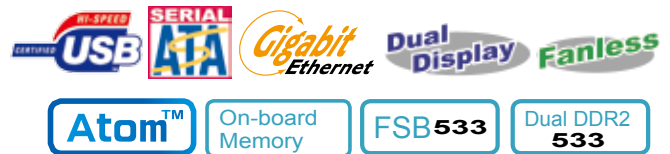
Half-size PCISA CPU Card with Intel® Atom™ processor, 512 MB memory on board, VGA/LVDS/HDTV-out, Dual PCIe GbE, USB 2.0 and SATA



Solder Side



PCISA Bus



Specifications

- ◆ CPU
 - On board Intel® Atom™ N270 processor 1.6 GHz 512 KB L2 cache with a 533 MHz FSB
- ◆ System Chipset
 - Intel® 945GSE + ICH7M
- ◆ BIOS
 - AMI Flash BIOS
- ◆ System Memory
 - On board 512 MB DDR2 533 MHz memory
 - One 200pin (system memory max.2GB)533MHz DDR2 SDRAM DIMM Supported.
- ◆ Ethernet
 - Dual PCIe Realtek 8111CP GbE
- ◆ I/O Interface
 - 1 x RS-232
 - 1 x RS-232/422/485
 - 6 x USB 2.0 (2 on bracket, 4 on board by pin header)
 - 2 x SATA 1 x LPT
 - 1 x IDE 1 x FDD
 - 1 x 6 pin header 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 intrgated 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
- ◆ SSD
 - 1 x CF type I/II
- ◆ 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 DDR2 533 MHz)
- ◆ Temperature
 - Operation: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity
 - Operation: 5% ~95% non-condensing
- ◆ Dimensions
 - 185 mm x 127.6 mm
- ◆ Weight
 - GW: 1000 g / NW: 252 g

Features

1. PCISA CPU card support four PCI and ISA bus expansions
2. Intel® Atom™ N270 processors at 1.6GHz core speed with a 533MHz FSB and 512KB L2 cache
3. 512 MB of 533 MHz DDR2 SDRAM on board
4. Support VGA, HDTV-out up to 1080i and 18-bit dual Channels LVDS with dual display support
5. Two SATA, one IDE, floppy and CF type I/II for data storage

Packing List

1 x PCISA-945GSE single board computer
1 x Mini jumper pack
2 x SATA cable (P/N: 32000-062800-RS)
1 x LPT/RS-232 cable (P/N: 19800-000027-RS)
1 x USB cable (P/N: CB-USB02-RS)
1 x Utility CD
1 x QIG

Ordering Information

Part No.	Description
PCISA-945GSE-N270-512MB-R11	PCISA CPU card with Intel® Atom™ N270 1.6G processor, 512 MB memory on board, VGA/LVDS/HDTV-out, Dual PCIe GbE, USB 2.0, SATA
AC-KIT883HD-R10	7.1 channel HD audio kit with realtek ALC883 support dual audio streams
AC-KIT08R-R10	5.1 channel AC'97 audio kit with realtek ALC655
HDTVCABLESET-01	HDTV cable set with S-Video, composite and component Interfaces
32100-088600-RS	SATA power cable
32200-000052-RS	ATA 66 flat cable
32200-000058-RS	FDD cable w/o bracket
19800-000110-RS	RS-232/422/485 cable with bracket
19800-000075-RS	KB/MS cable with bracket

1
Industrial
Computing
Solutions

2
Embedded
Computing
Solutions

3
RISC-Based
Embedded
Solutions

4
Industrial
Data
Collector/
Server
Solutions

5
Video
Capture
Solutions

6
I/O
Communication
Solutions

7
Panel
Solutions

8
Power Supply/
Network
Communication/
Peripherals