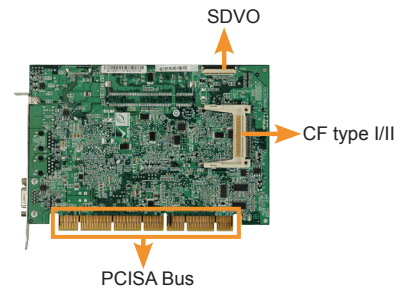
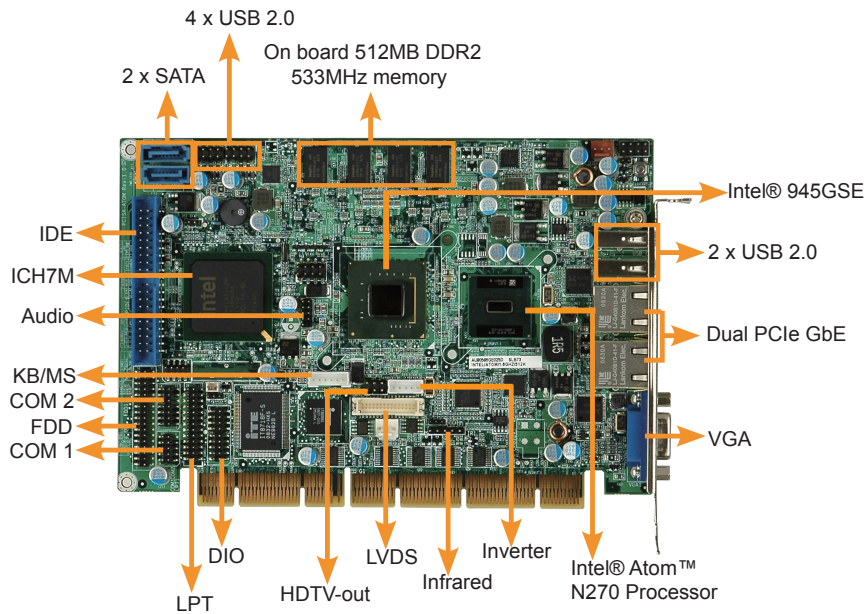


# PCISA-ATOM

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



## Specifications

- ◆ CPU
  - On board Intel® Atom™ N270 processor 1.6GHz 512KB L2 cache with a 533MHz FSB
- ◆ System Chipset
  - Intel® 945GSE + ICH7M
- ◆ BIOS
  - AMI Flash BIOS
- ◆ System Memory
  - On board 512MB DDR2 533MHz memory
- ◆ 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
  - 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
  - IEI SDVO interface for video adapter boards
- ◆ 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/533MHz CPU with 512MB DDR2 533MHz)
- ◆ Temperature
  - operation: 0°C ~ 60°C ( 32°F ~ 140°F)
- ◆ Humidity
  - operation: 5% ~95% non-condensing
- ◆ Dimension
  - 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. 512MB of 533MHz 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-ATOM 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-ATOM-N270-R10	PCISA CPU Card with Intel® Atom™ N270 1.6G processor, 512MB 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
32200-000077-RS	RS-232/422/485 cable with bracket
19800-000075-RS	KB/MS cable with bracket