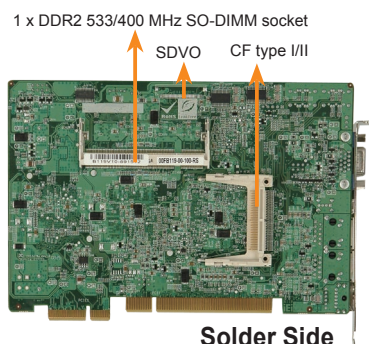
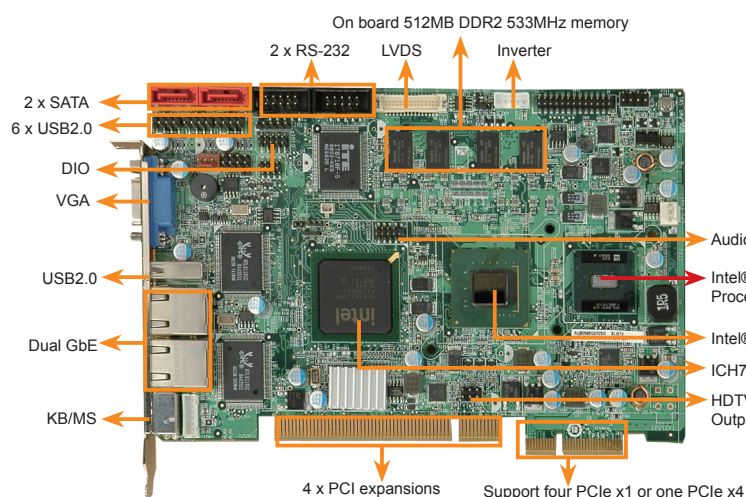
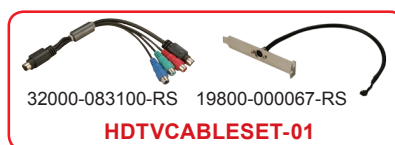


# PIC0e-ATOM

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



Solder Side



## 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 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  
7 x USB 2.0 (1 on bracket, 6 on board by pin header )  
2 x SATA  
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  
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 1GB DDR2 533MHz)
- ◆ Temperature  
operation: 0°C ~ 60°C ( 32°F ~ 140°F)
- ◆ Humidity  
operation: 5% ~95% non-condensing
- ◆ Dimension  
185 mm x 122 mm
- ◆ Weight  
GW: 1000 g / NW: 250 g



## 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 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-channel LVDS with dual-display support
5. I/O includes, two RS-232, seven USB 2.0 and four SATA

## Packing List

- 1 x PIC0e-ATOM Single Board Computer
- 1 x Mini Jumper Pack
- 2 x SATA cable (P/N: 32000-062800-RS)
- 1 x KB/MS Y cable (P/N: 32000-000138-RS)
- 1 x Dual RS-232 cable (P/N: 19800-000051-RS)
- 1 x USB Cable (P/N: CB-USB02-RS)
- 1 x Utility CD
- 1 x QIG (Quick Installation Guide)

## Ordering Information

Part No.	Description
PIC0e-ATOM-N270-R10	PCIe CPU Card with Intel® Atom™ N270 1.6G processor, 512MB memory on board, VGA/LVDS/ HDTV-out, Dual 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
32200-015100-RS	LPT cable