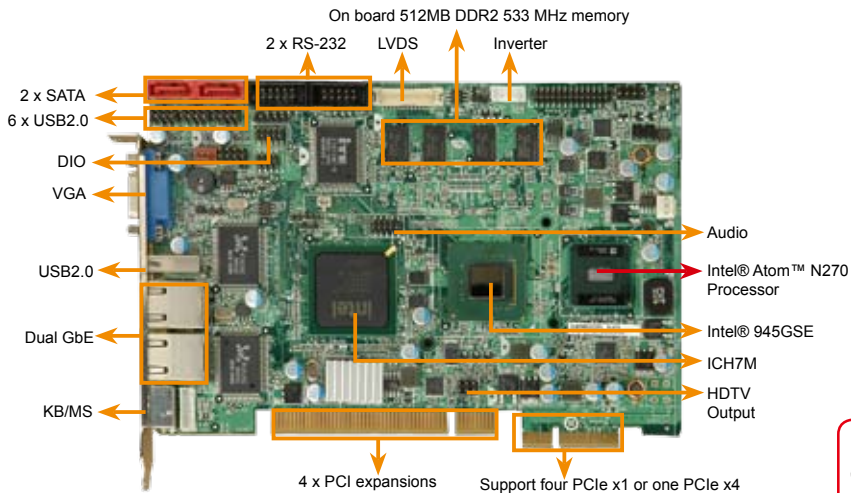
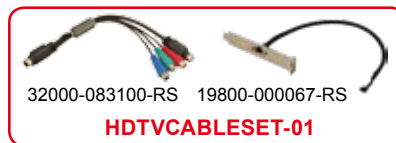
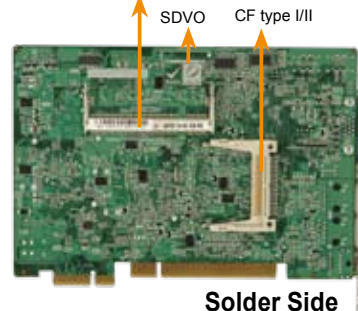


PIC0e-945GSE

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



1 x DDR2 533/400 MHz SO-DIMM socket



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 Flash 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
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 Interface
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
- ◆ 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 1.6 GHz / 533 MHz CPU with 1GB DDR2 533 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

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. 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 two SATA

Packing List

- 1 x PIC0e-945GSE 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-945GSE-N270-512MB-R10	PCIe CPU Card with Intel® Atom™ N270 1.6 G processor, 512 MB 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

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