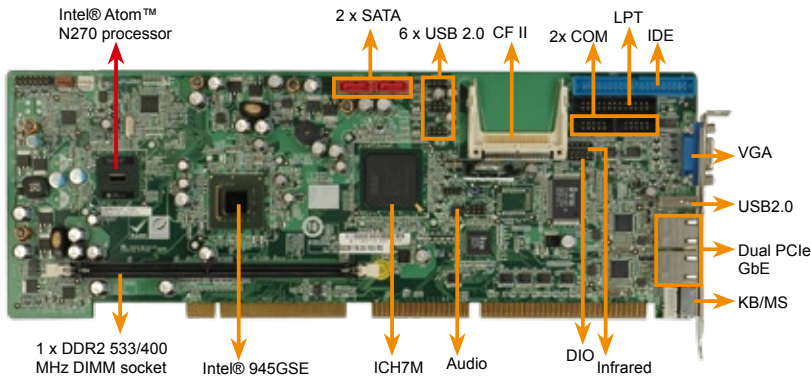


WSB-945GSE

Full-size PICMG 1.0 CPU card supports Intel® Atom™ processor and comes with VGA, Dual PCIe GbE, USB 2.0, SATA and Audio



Intel® Atom™ Processor on board

Atom™

Intel® Atom™ Processor N270 with 512KB L2 cache 1.6GHz

TDP 2.5W!

Benefit

- Embedded CPU makes the system more stable
- Low power consumption increase the system life-cycle

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
One 240-pin 533/400 MHz DDR2 SDRAM DIMM supported (system max. 2GB)
- ◆ Ethernet
Dual Realtek 8111CP PCIe GbE controller
- ◆ 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 IDE
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
- ◆ Audio
Support 7.1 channel HD audio or 5.1 channel AC-97 audio by IEI audio kits
- ◆ SSD
CF type I/II
- ◆ Watchdog Timer
Software programmable supports 1 ~255 sec. system reset
- ◆ Power Supply
AT/ATX power
- ◆ Power consumption
5V@2.55A, 12V@0.23A
(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
- ◆ Dimensions
338 mm x 122 mm
- ◆ Weight
GW: 1.0 kg / NW: 0.25 kg

Atom™ **DDR2 533** **FSB 533** **Fanless**



Features

1. PICMG 1.0 and RoHS compliant
2. Intel® Atom™ processor N270 at 1.6GHz core speed with a 533MHz FSB and 512KB L2 cache
3. Enhanced technology for lower power consumption
4. Two SATA and CF type I/II for data storage
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Packing List

1 x WSB-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: 32000-133200-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
WSB-945GSE-N270-R10	PICMG 1.0 with Intel® Atom™ processor N270 1.6G processor, VGA, 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
32200-000052-RS	ATA 66 flat cable
32102-000100-100-RS 32102-000100-200-RS	SATA power cable
19800-000400-100-RS	LPT cable

1
Industrial
Computing
Solutions

2
Embedded
Computing
Solutions

3
Industrial Data
Collector
and Controller

4
Video
Capture
Solutions

5
I/O
Communication
Solutions

6
Panel
Solutions

7
ORing
Network
Communication

8
Power Supply/
Peripherals