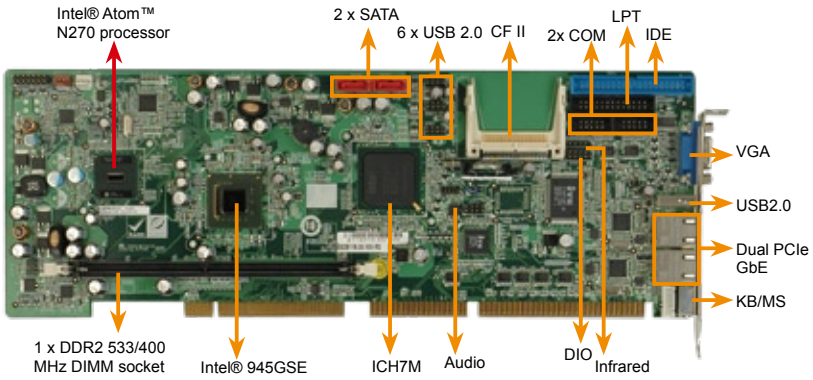
1 Industrial Computing Solutions
2 Embedded Computing Solutions
3 Industrial Data Collector and Controller
4 Video Capture Solutions
5 I/O Communication Solutions
6 Panel Solutions
7 ORing Network Communication
8 Power Supply/ Peripherals

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

Atom™ DDR2533 FSB 533 Fanless
One Key Recovery IEI symantec. SERIAL ATA PICMG USB Gigabit Ethernet

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

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