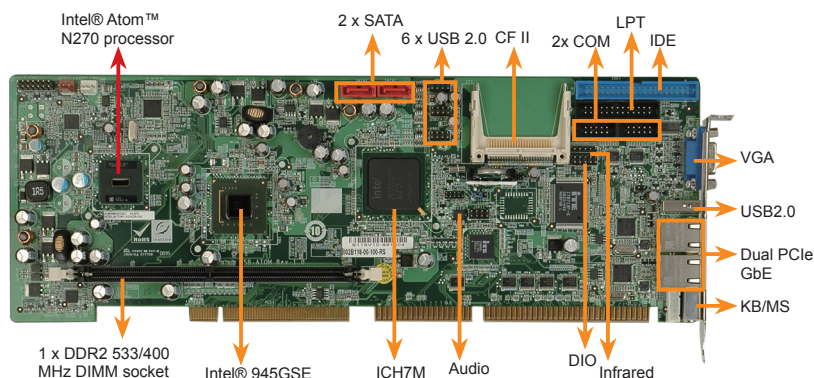



# WSB-ATOM


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



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  
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
- ◆ Dimension  
338 mm x 122 mm
- ◆ Weight  
GW: 1000 g / NW: 250 g

## 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

## Packing List

1 x WSB-ATOM Single Board Computer
1 x Mini Jumper Pack
2 x SATA cable (P/N: 32000-0628000-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
WSB-ATOM-N270-R10	PICMG 1.0 with Intel® Atom™ 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 66/100 flat cable
32100-088600-RS	SATA power cable
19800-000049-RS	LPT cable