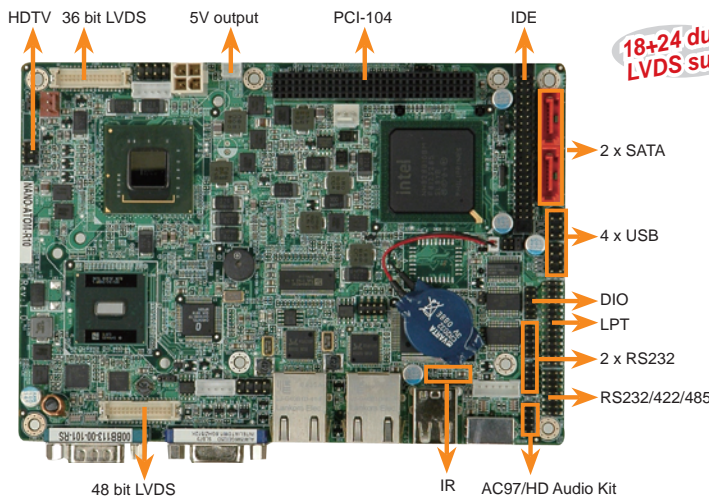
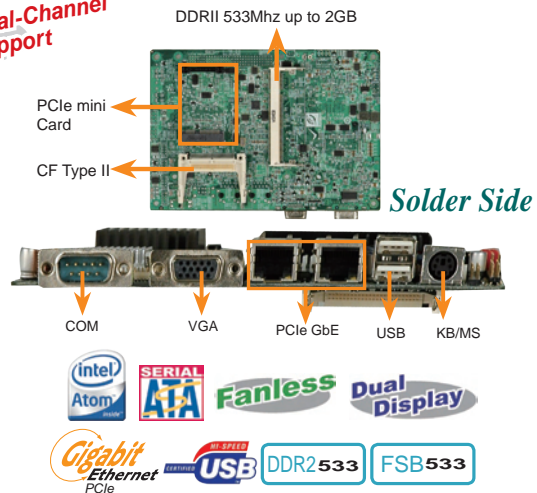


# epic NANO-ATOM

EPIC SBC with Intel® Atom™ Processor, VGA/Dual LVDS/Dual PCIe GbE, CF type II, SATA



18+24 dual-Channel LVDS support



## Specifications

- ◆ CPU  
Intel® Atom™ Processor N270 1.6GHz with a 533Mhz FSB
- ◆ System Chipset  
Intel® 945GSE  
Intel® 82801GBM/ICH7M
- ◆ BIOS  
AMI BIOS
- ◆ System Memory  
One 200-pin 533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet  
Dual PCIe Realtek 8111CP GbE Chipsets
- ◆ I/O interface
  - 6 x USB 2.0
  - 2 x SATA
  - 1 x IDE
  - 3 x RS232
  - 1 x RS-232/422/485
  - 1 x PS/2 for KB/MS
  - 1 x LPT
  - 1 x CF Type II
- ◆ Infrared Interface  
1 x Infrared Interface by pin header
- ◆ Expansions  
1 x PCI-104 (PCI Bus)  
1 x PCIe mini card
- ◆ Super IO  
ITE IT8718
- ◆ Digital I/O  
8-bit digital I/O, 4-bit input/4-bit output by super I/O
- ◆ Audio  
5.1 channel audio kit with Realtek ALC655 AC'97 codec  
7.1 channel HD audio kit with Realtek ALC883 codec supports dual audio streams
- ◆ Display Interface  
Intel® Generation 3.5 integrated GFX Core (133Mhz)  
VGA intergrated in Intel® 945GSE  
support HDTV resolution up to 1080i by component interface  
Dual LVDS support:  
18 bit dual-channel LVDS intergrated in Intel® 945GSE  
18/24 dual-channel LVDS support by Chrontek CH7308 (NANO-ATOMLVDS2)
- ◆ Watchdog Timer  
software programmable 1-255 sec. by super I/O
- ◆ Power Supply  
12V only, AT/ATX support
- ◆ Power Consumption  
12V @ 1.53A (Intel® Atom™ N270 with 2GB DDR2)
- ◆ Temperature  
operation: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity  
operation: 5% ~ 95 non-condensing
- ◆ Dimension  
165 mm x 115 mm
- ◆ Weight  
GW: 700g NW 350g

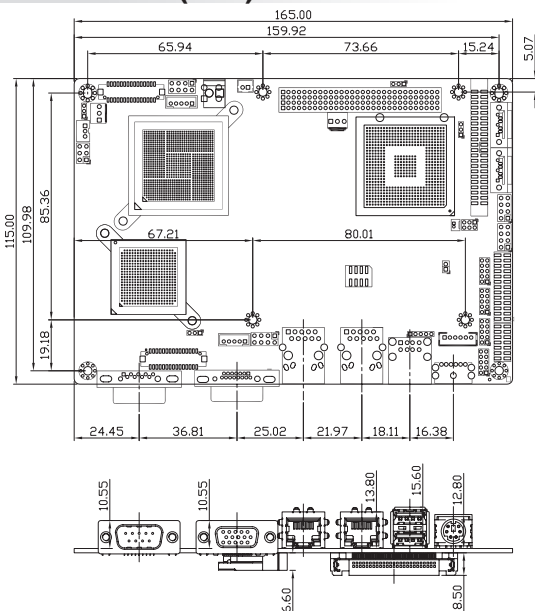
## Packing List

- 1 x NANO-ATOM Single board computer
- 2 x RS-232 cable (P/N: 32200-000049-RS)
- 2 x SATA Cable (P/N: 32000-062800-RS)
- 1 x KB/MS Cable (P/N: 32000-000138-RS)
- 1 x Power Cable (P/N: 32100-087100-RS)
- 1 x Mini Jumper Pack
- 1 x Utility CD
- 1 x QIG (Quick Installation Guide)

## Features

1. Intel® Atom™ Processor N270 1.6G CPU for Ultra Low Voltage Fan-less support
2. Single 12V power input, Provide 5V output for SATA Device
3. Dual LVDS support dual independent display
4. Support 4x COM, 6x USB, 2x SATA
5. Support PCIe Mini Card, PCI-104 for expansion

## Dimensions (mm)



## Ordering Information

Part No.	Description
NANO-ATOM-N270-R10	EPIC SBC with Intel® Atom™ N270 1.6G, VGA/18 bit dual-channel LVDS, Dual GbE, CFII, USB, SATA
NANO-ATOMLVDS2-N270-R10	EPIC SBC with Intel® Atom™ N270 1.6G, VGA/18+24bit dual-Channel LVDS, Dual GbE, CFII, USB, SATA
32000-044300-RS	Dual Port USB Cable
32000-015100-RS	LPT Cable
32200-026500-RS	RS232/422/485 Cable
32100-043403-RS	ATX Power Cable
32000-083701-RS	HDTV out Cable
32200-000009-RS	44pin 2.5" IDE cable
32200-008800-RS	44pin to 2.5"/3.5" IDE cable
32100-088600-RS	SATA Power Cable
32000-114000-RS	SATA 5V power output Cable Kit for NANO series
AC-KIT08R-R10	5.1 channel AC'97 Audio Kit with Realtek ALC655 codec
AC-KIT883HD-R10	7.1 Channel HD Audio Kit with Realtek ALC883 codec support dual audio streams