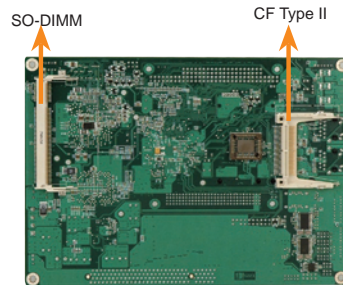
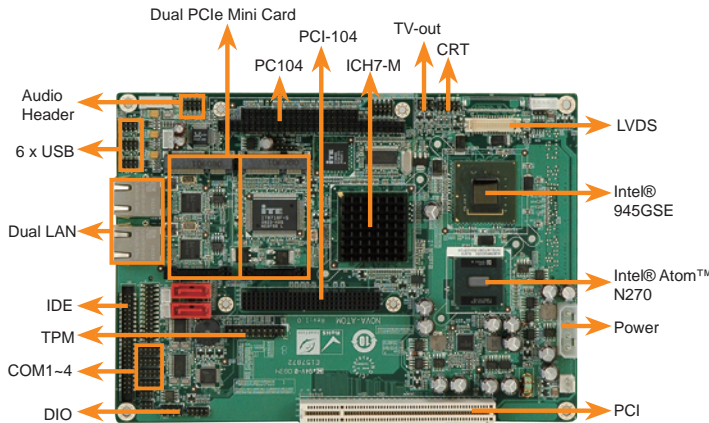
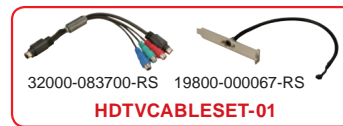


# NOVA-ATOM

5.25" SBC, Intel® Atom™ N270 1.6GHz, LVDS/ VGA/ TV out, Dual PCIe Mini, Dual PCIe GbE, USB2.0, SATA, RoHS



Solder Side



HDTVCABLESET-01



PCIe Mini Card

## Specifications

- ◆ CPU  
Intel® Atom™ Processor N270 1.6GHz with a 533MHz FSB
- ◆ System Chipset  
Intel® 945GSE+ICH7M
- ◆ BIOS  
AMI Flash BIOS
- ◆ Memory  
One 200-pin 400/533 DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet  
Dual Realtek PCIe RTL8111CP GbE LAN
- ◆ Graphic  
Intel® Generation 3.5 integrated GFX Core (133Mhz)
- ◆ I/O Interface  
3 x RS-232                      1 x RS-232/422/485  
6 x USB2.0                     2 x SATA with 5V output  
1 x LPT                         1 x IDE  
1 x 6pin header for KB/MS
- ◆ Expansion  
1 x PC/104+ (ISA+PCI bus)  
2 x PCIe mini card  
1 x PCI
- ◆ Digital I/O  
8-bit digital I/O (4-bit input, 4-bit output)
- ◆ Infrared Interface  
1x Infrared Interface by pin header
- ◆ Super IO  
ITE8718F
- ◆ Display Output  
Analog CRT Support for CRT Hot plug support TV-out by component interface  
18bit Dual Channel LVDS Support up to UXGA (1600x 1200)
- ◆ Audio  
AC'97 ALC655 codec
- ◆ SSD  
CF Type II
- ◆ Watchdog Timer  
software programmable 1-255 sec. by super I/O
- ◆ TPM  
1x 20pin pinheader
- ◆ WDT  
Software Programmable support 1~255 sec. System reset
- ◆ Power Supply  
AT/ATX Power
- ◆ Power Consumption  
5V@2.89A, 12V@0.04A (Intel® Atom™ N270 with 1GB DDR2)
- ◆ Temperature  
Operation: 0°C ~ 60°C (32 ~ 140° F)
- ◆ Humidity  
Operation: 5% ~ 95%, non-condensing
- ◆ Dimension  
203mm x 146mm
- ◆ Weight: GW:1000g, NW:400g

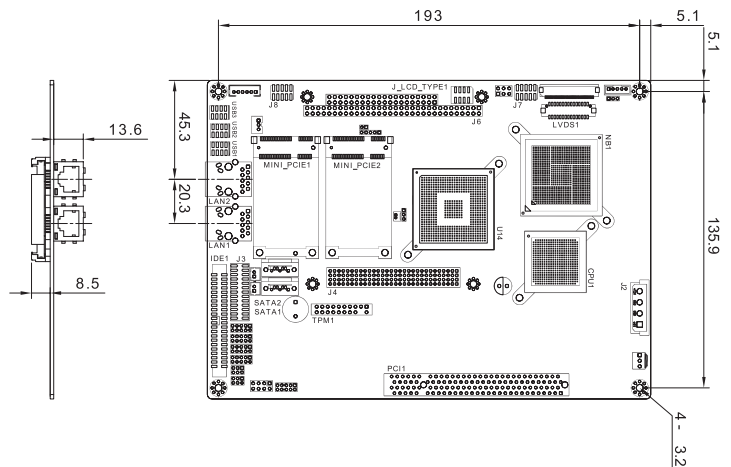


Intel® N270 1.6G  
TDP 2.5W

## Features

1. Intel® Atom™ Processor N270 1.6GHz for ultra low voltage fan-less support DDR2 400/533 SO-DIMM Memory support up to 2GB
2. Support Dual PCIe mini Card, PCI slot for expansion
3. Support LVDS, TV-out, VGA Display output
4. CF Socket for Storage Expansion
5. TPM support

## Dimensions (mm)



## Packing List

1 x NOVA-ATOM-R10 Single Board Computer
1 x IDE Flat cable (PN: 32200-000009-RS)
1 x VGA cable (P/N: 32000-033800-RS)
1 x KB/MS Y cable (P/N: 32000-000138-RS)
1 x Audio cable (P/N: 32000-028800-RS)
2 x SATA cable (P/N: 32000-062800-RS)
4 x RS-232 cable (PN: 32200-000049-RS)
1 x USB cable (PN: 32000-070301-RS)
1 x Mini Jumper Pack
1 x Utility CD
1 x QIG (Quick Installation Guide)

## Ordering Information

Part No.	Description
NOVA-ATOM-N270-R10	5.25" SBC, Intel® Atom™ N270 1.6GHz, LVDS/ VGA/ TV out, Dual PCIe Mini, Dual PCIe GbE, USB2.0, SATA, RoHS
HDTVCABLESET-01	HDTV Cable Set with S-Video, Composite and Component Interfaces
32200-000009-RS	44pin 2.5" IDE cable
32100-088600-RS	SATA Power cable
32200-015100-RS	LPT cable
WMPCIE	PCIe Mini card wireless LAN Module
TPM-WI01-R10	20-pin WINBOND TPM Module, S/W management Tool
TPM-IN01-R10	20-pin INFINEON TPM Module, S/W management Tool