

31270D Series

Application
Embedded Network applications for Firewall / VPN / Server

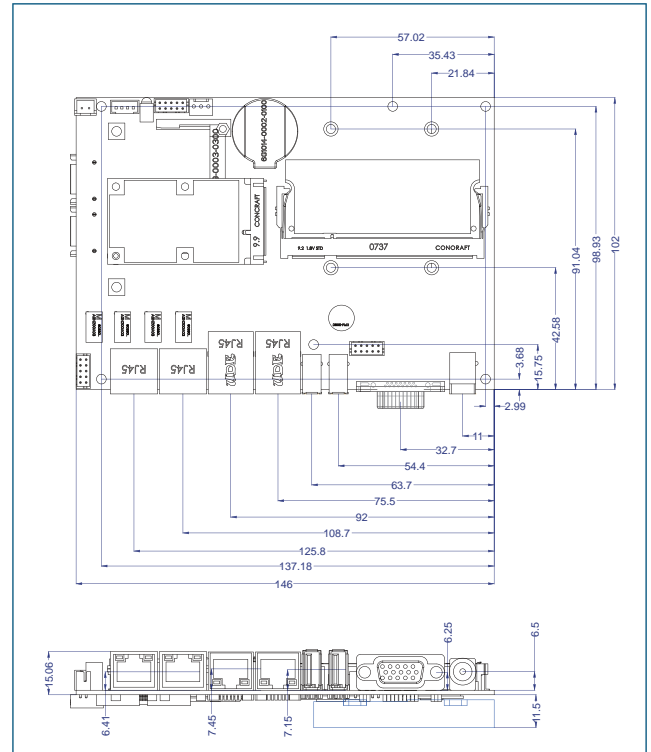
Features

- 3.5"
- Intel Atom
- 5 USB
- WDT
- 2 SATA
- NAND flash memory
- 4 LAN

Specifications

MODEL	31270D Series
CPU Type	Intel Atom N270 1.6 GHz processor
Front Side Bus	533 MHz
MB Chipset	Intel 945 GSE + ICH7M (82801 GBM)
BIOS	Award BIOS
Graphics	Integrated with Intel 945 GSE Dynamic Video Memory Technology (DVMT 3.0)
System Memory	On board DDR2 SDRAM 1 GB 1 x DDR2 SO-DIMM socket (max. 2GB) (option)
NAND Flash Memory	CF Card Type 2 socket for ATA interface On board SSD 2 / 4 / 8 GBytes (option)
SATA	1 x SATA port (SATA 2 for option)
Audio (option)	Intel HD Audio Specification Rev. 1.0 compliant Support Line-out / Mic-in / Line-in
LAN	4 x Realtek RLT8111C or Intel 82574L 10/100/1000 Mbps.
IO Function	1 x COM2 Wafer 5pin (TTL signal Level)
USB	5 x USB 2.0 (2 external + 3 internal)
WDT (option)	Hardware Watch Dog Timer, 0~255 sec programmable
Expansion Interface	1 x PCIe mini card for USB interface
Power	On board DC +12V ± 5% convert to +3.3V / +5V / +12V for system
Dimension	145 x 102 mm (3.5 inch)
Operation Temperature	0 ~ 60 °C
Operation Humidity	5 ~ 95% @ 60 °C, non-condensing

Dimension



Ordering Information

- . 31270D-V4G-H16-00 4 x Realtek GbE, 1GB on board memory
- . 31270D-V4U-H16-00 4 x Intel82574L GbE ,1GB on board memory
- . 31270D-C4G-H16-00 4 x Realtek GbE, 1GB on board memory, RS232, VGA Wafer

Testing environment

Model name : **31270D-V4G-H16**
 CPU : Intel Atom N270 1.6 GHz
 Chipset : Intel 945 GSE & ICH7M
 OS : WIN XP
 Testing Program : 3D Mark 2001

Fanless solution with CF card					
Chassis Temperature	UNO	BRIK	LEO	TWITTER	
0°C~45°C	Pass	Pass	Pass	Pass	Pass
50 °C	Pass	Pass	Pass	Pass	Pass
55 °C	—	Pass	Pass	Pass	Pass
60 °C	—	—	Pass	Pass	Pass

Fanless solution with 2.5" HDD					
Chassis Temperature	UNO	BRIK	LEO	TWITTER	
0°C~45°C	Pass	Pass	Pass	Pass	Pass
50 °C	—	Pass	Pass	Pass	Pass

Please upgrade the hard drive to industrial grade for better temperature performance.

Back Panel

