

## 31270D Series

### Application

Embedded Network applications for Firewall, VPN, and Server

### Features



### Specifications

- . 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 DDRII SDRAM 1 GB  
1 x DDRII SO-DIMM socket (max. 2GB) (option)
- . NAND Flash Memory CF Card Type II socket for ATA interface  
On board SSD 2 / 4 / 8 GBytes ( option )  
Support 1 x SATA port. 2 x SATA ports ( option )
- . SATA Intel HD Audio Specification Rev. 1.0 compliant
- . Audio (option) 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 Temp. 0 ~ 60 °C
- . Operation Humidity 5 ~ 95% @ 60 °C, non-condensing

### Ordering Information

- . 31270D-V4G-H16-00 VGA, 4 Realtek GbE, 1 GB DDRII SDRAM on board
- . 31270D-V4U-H16-00 VGA, 4 Intel 82574L GbE, 1 GB DDRII SDRAM on board

### 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

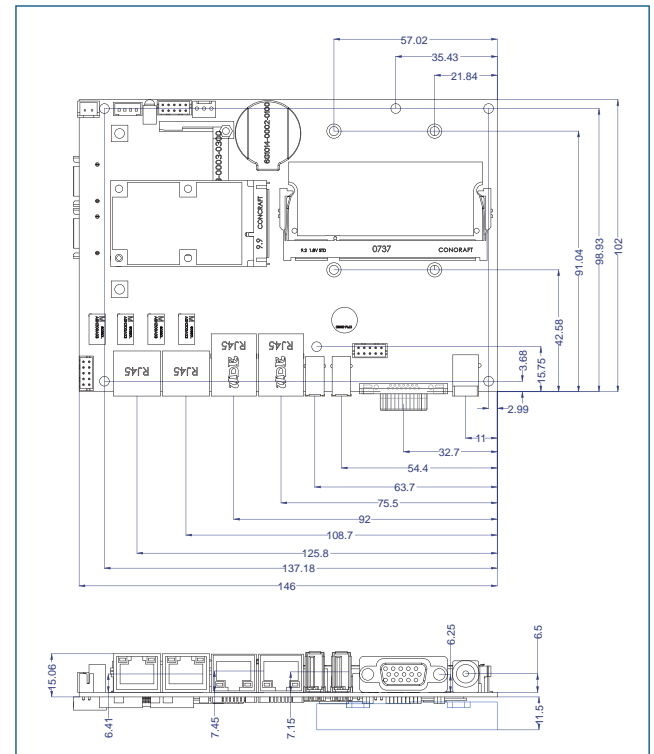
Fanless solution with CF card				
Chassis	UNO	BRIK	LEO	TWITTER
Temperature				
0 °C	Pass	Pass	Pass	Pass
25 °C	Pass	Pass	Pass	Pass
45 °C	Pass	Pass	Pass	Pass
50 °C	Pass	55°C	Pass	Pass

Fanless solution with 2.5" HDD				
Chassis	UNO	BRIK	LEO	TWITTER
Temperature				
0 °C	Pass	Pass	Pass	Pass
25 °C	Pass	Pass	Pass	Pass
40 °C	Pass	45°C	45°C	45°C

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

### Dimension



### Back Panel

