



## CI963A/CI945A Series

### Application

Network Appliances for Firewall / VPN / IP Camera Server

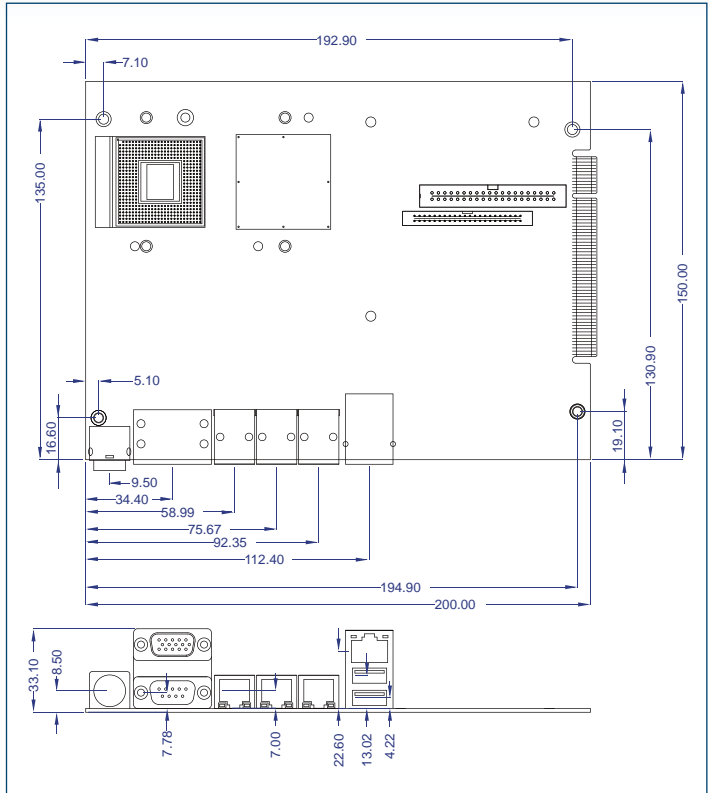
### Features



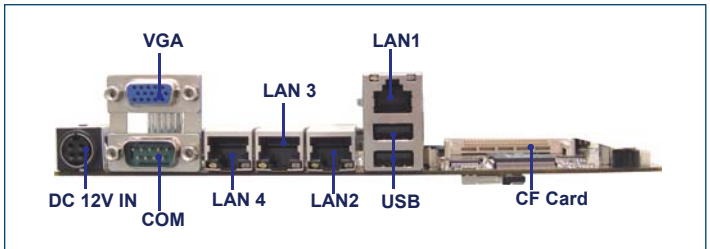
### Specifications

MODEL	CI963A/CI945A Series
CPU Type	Intel Core 2 Duo / Core Duo CPU socket M
Front Side Bus	533 / 667 MHz
MB Chipset	Intel 945 GME + ICH7M ( 82801 GBM )
BIOS	Award BIOS
Graphics	Intel Gen 3.5 Integrated Graphics Engine Dynamic Video Memory Technology ( DVM T 3.0 ) Higher performance MPEG-2 decoding
LVDS (option)	Data format of 18 bits / 36 bits
System Memory	1 x DDR2 SO-DIMM socket ( max. 2GB )
IDE	Ultra ATA 100 / 66 / 33, 1 x 40 pin 2.54mm, 1 x 44 pin 2.0mm CF Card Type 2 socket for ATA interface
SATA	2 x SATA ports
Audio	Intel HD Audio Specification Rev. 1.0 Compliant Support Line-out / Mic-in / Line-in
LAN	4 x Realtek RLT8102E 10 / 100 Mbps or Intel 82573L 10 / 100 / 1000 Mbps.
IO Function	1 x RS232 IrDA 1.0 / ASKIR protocol PS/2 keyboard & mouse
USB	8 x USB 2.0 ( 2 external + 6 internal )
DIO & WDT	Hardware digital Input & Output, 4 x DI / 4 x DO Hardware Watch Dog Timer, 0~255 sec programmable
Expansion Interface	1 x Mini PCI socket 1 x PCI gold finger ( with RS007 / RS009 PCI Riser Card upgrade to 2 x PCI card )
Power	On board DC +12V ± 5% convert to +3.3V / +5V / +12V for system
Dimension	200 x 150 mm
Operation Temperature	0 ~ 60 °C
Operation Humidity	5 ~ 95% @ 60 °C, non-condensing

### Dimension



### Back Panel



### Ordering Information

- . CI945A-4RXX 4 Realtek LAN , Intel Core Duo / Core 2 Duo socket
- . CI945A-4UXX 4 Intel GbE, Intel Core Duo / Core 2 Duo socket

### Testing environment

Model name : **CI945A - 4RXX**  
 CPU : Intel 440 Celeron M 1.86 Ghz / Intel T7400 Core 2 Duo 2.16 Ghz  
 Chipset : Intel 945 GME & ICH7M  
 OS : WIN XP  
 Testing Program : 3D Mark 2001 SE

Fanless solution with CF card					
Chassis	NEO	TINO	TWITTER	1U fall fanless	1U half fanless
Temperature					
0°C~40°C	Pass	Pass	Pass	Pass	Pass
45°C	Pass	Pass	Pass	—	—
50°C	—	Pass	Pass	—	—
55°C	—	—	Pass	—	—

Fanless solution with 2.5" HDD					
Chassis	NEO	TINO	TWITTER	1U fall fanless	1U half fanless
Temperature					
0°C~40°C	Pass	Pass	Pass	Pass	Pass
45°C	Pass	Pass	Pass	—	—
50°C	—	—	Pass	—	—

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