Embedded Solution

Networking application

CI963A / CI945A Series

Application

Network Appliances for Firewall, VPN, and Server

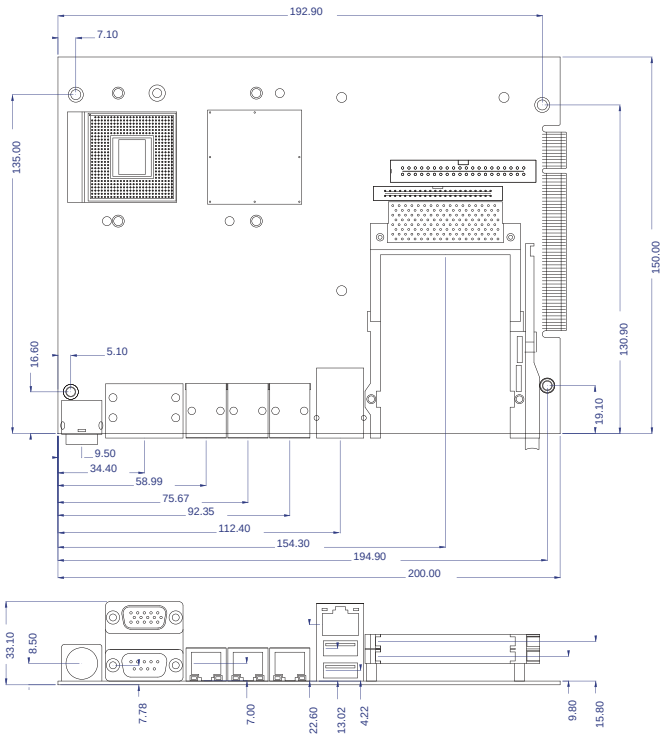
Features

CORE 2 DUO | 4 LAN | SATA | 2 PCMCIA | Mini PCI | PCI

Specifications

. CPU type	Intel Core 2 Duo / Core Duo
. Front Side Bus	533 / 667 MHz
. MB Chipset	Intel 945 GME + ICH7M (82801 GBM)
. Graphics	Intel Gen 3.5 Integrated Graphics Engine
	Dynamic Video Memory Technology (DVMT 3.0)
	Higher performance MPEG-2 decoding
. LVDS (option)	Data format of 18 bits / 36 bits
. Memory	1 x DDRII SODIMM (max. 2 GB)
. IDE	Ultra ATA 100 / 66 / 33, 1 x 40 pin 2.54mm, 1 x 44 pin 2.0mm
	CF Card Type II for ATA interface
. SATA	2 x SATA ports
. Audio	Intel HD Audio
. LAN	4 x Intel 82573L 10 / 100 / 1000 Mbps or
	Realtek RTL8102E 10 / 100 Mbps LAN. Supports PCIe
. IO function	1 x RS232
	IrDA 1.0 / ASKIR protocol
	PS/2 keyboard & mouse
. USB	8 x USB 2.0 (2 external + 6 internal)
. PCMCIA (CI963A)	2 x sockets for CardBus (Card-32) and 16-bit Card
. DIO & WDT	Hardware digital Input & Output, 4 x DI / 4 x DO
	Hardware Watch Dog Timer, 0~255 sec programmable
. Expand interface	1 x Mini PCI socket
	1 x PCI gold finger
. Power	On board DC +12V ± 5% convert to +3.3V / +5V / +12V for system
. Dimension	200 x 150 mm
. Operation Temp.	0 ~ 60 °C
. Operation Humidity	5 ~ 95% @ 60 °C, non-condensing

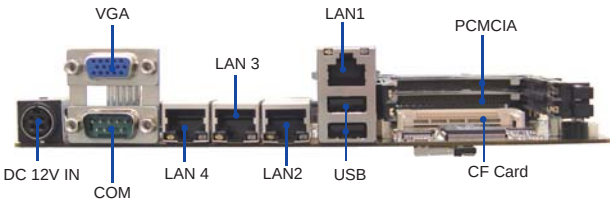
Dimension



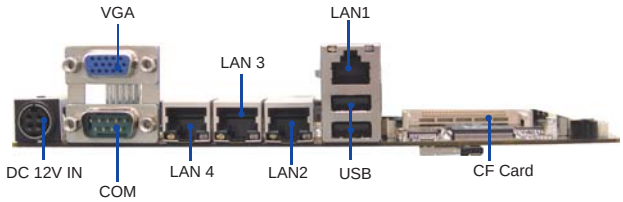
Ordering Information

. CI945A-4RXX	4 Realtek 8102E LAN , Intel Core Duo / Core 2 Duo socket
. CI945A-4UXX	4 Intel 82573L LAN, Intel Core Duo / Core 2 Duo socket
. CI963A-4RXX	4 Realtek 8102E LAN, Intel Core Duo / Core 2 Duo socket
. CI963A-4UXX	4 Intel 82573L LAN, Intel Core Duo / Core 2 Duo socket

Back Panel (CI963A)



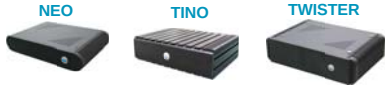
Back Panel (CI945A)



Testing environment

Model name : **CI945A / CI963A - 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 & 2.5" HDD



Chassis / Temperature	NEO	TINO	TWISTER
0 °C	Pass	Pass	Pass
25 °C	Pass	Pass	Pass
40 °C	35 °C	Pass	Pass

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

Lex SYSTEM®