

Embedded Solution

Networking application

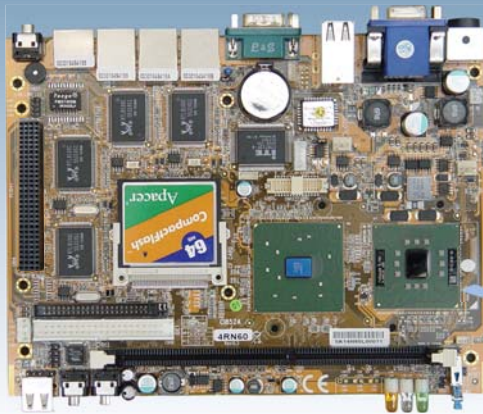
Networking

POS / Automation

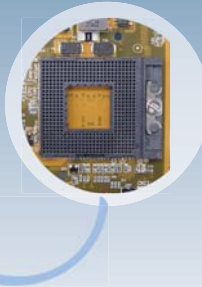
DVR

Multimedia

Embedded System



Socket Version



CI852A Series

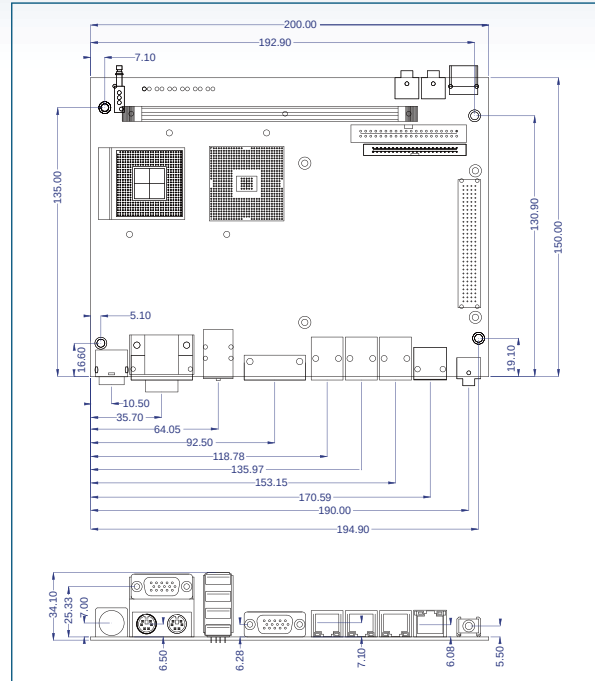
Application

Network Appliances for Firewall, VPN, and Server

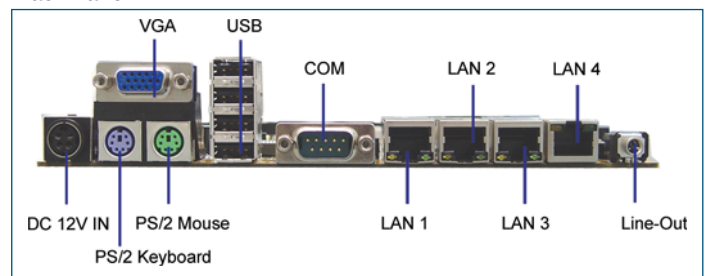
Features



Dimension



Back Panel



Specifications

- CPU type: Intel Pentium M / Celeron M- Dothan processor
- Front Side Bus: 400 / 533 MHz
- MB Chipset: Intel 82852 GM / 82852 GME (Socket) + ICH4
- Graphics: Integrated with Intel 82852 GM / GME
Shared system memory up to 64 MB
- LVDS: Data format of 18 bits / 36 bits
- Memory: 1 x DDR SDRAM (max. 1GB)
- 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
- Audio: AC-Link for Audio CODEC, AC'97 2.1
- LAN: 4 x Realtek 10 / 100 Mbps (optional Realtek / Intel Gigabit)
Intel 82541PI or Realtek RLT8100C / RLT8100SC LAN Chip
- IO function: 1 x RS232
IrDA 1.0 / ASKIR protocol, PS/2 keyboard & mouse
- USB: 6 x USB 2.0 (4 external + 2 internal)
- DIO & WDT (option): 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 104 (option)
- Power: On board DC +12V $\pm 5\%$ 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

Ordering Information

- CI852A-4RN10 / 4RNXX: 4 Realtek LAN, Intel Celeron M 1 GHz L2 0k CPU / Socket CPU
- CI852A-4RP10 / 4RPXX: 4 Realtek LAN, Intel Celeron M 1 GHz L2 0k CPU / Socket CPU, PCI104
- CI852A-4UNXX: 4 Intel LAN, Socket CPU

Testing environment

Model name : **CI852A-4RN10**
CPU : Intel Celeron M 1 GHz
Chipset : Intel 82852GM and Intel 82801DB ICH
OS : WIN XP
Testing Program : 3D Mark 2001 SE

Fanless solution with CF card				
Chassis Temperature	Light	Neo	Twister	Tino
0°C	Pass	Pass	Pass	Pass
40°C	Pass	Pass	Pass	Pass
45°C	Pass	Pass	Pass	Pass
60°C	Pass	Pass	Pass	Pass

Fanless solution with 2.5" HDD				
Chassis Temperature	Light	Neo	Twister	Tino
0°C	Pass	Pass	Pass	Pass
40°C	Pass	Pass	Pass	Pass
45°C	Pass	Pass	Pass	Pass

Testing environment

Model name : **CI852A-4RNXX**
CPU : Intel Pentium M 2.13 GHz
Chipset : Intel 82852 GME and Intel 82801DB ICH
OS : WIN X P
Testing Program : 3D Mark 2001 SE

Fanless solution with CF card		
Chassis Temperature	Twister	Tino
0°C	Pass	Pass
40°C	Pass	Pass
45°C	Pass	Pass
60°C	Pass	Pass

Fanless solution with 2.5" HDD		
Chassis Temperature	Twister	Tino
0°C	Pass	Pass
40°C	Pass	Pass

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