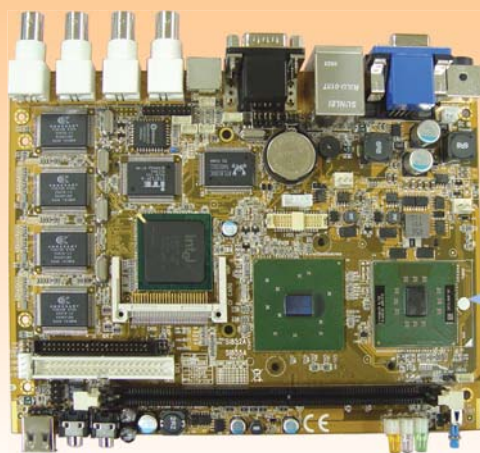
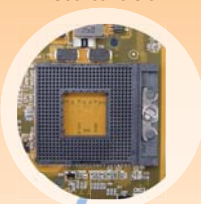




Socket Version



SI852A Series

Application

Video Surveillance for building monitoring, Access control & mobile PC.

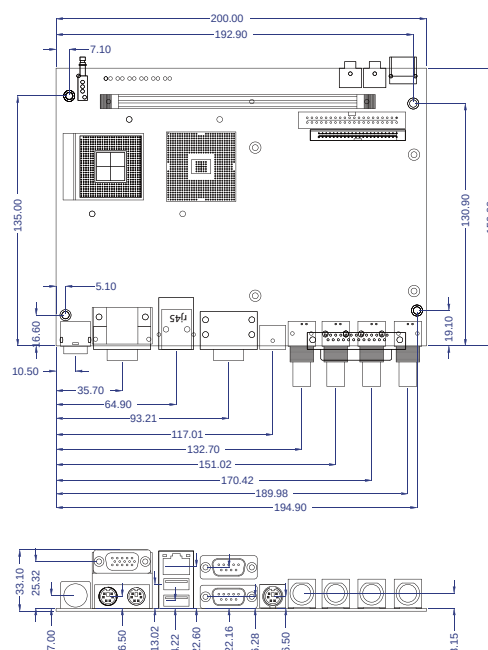
Features



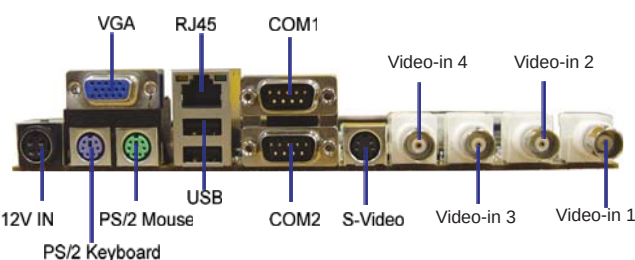
Specifications

- 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: 1 x Realtek 10 / 100 Mbps (optional Realtek / Intel Gigabit)
- Intel 82541PI or Realtek RLT8100C / RLT8110SB LAN Chip
- IO function: 1 x RS232, 1 x RS232 / 422 / 485
- IrDA 1.0 / ASKIR protocol
- PS/2 keyboard & mouse
- TV-Out: Supports all NTSC & PAL formats.
- Analog S-Video for SDTV. Resolution : 1024 x 768
- Video-In: 1/4 Conexant CX25878 chip for 4~16 ports video-in
- USB: 6 x USB 2.0 (3 external + 3 internal)
- DIO & WDT: Hardware digital Input & Output, 8 x DI / 8 x DO
- Hardware Watch Dog Timer, 0~255 sec programmable
- Expand interface: 1 x Mini PCI socket
- 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

Dimension



Back Panel



Ordering Information

- SI852A-4SR10: 1 chip (Conexant BT878A) with 4 video-in channels
- SI852A-4UR10 / 4URXX (socket): 4 chip (Conexant BT878A) with 4 video-in channels
- SI852A-4HR10 / 4HRXX (socket): 4 chip (Conexant BT878A) with 16 video-in channels

Testing environment

Model name : **SI852A-4UR10**
 CPU : Intel Celeron M 1 GHz
 Chipset : Intel 82852 GM and Intel 82801DB ICH4
 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 : **SI852A-4URXX**
 CPU : Intel Pentium M 2.13 GHz
 Chipset : Intel 82852 GME and Intel 82801DB ICH4
 OS : WIN XP
 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.