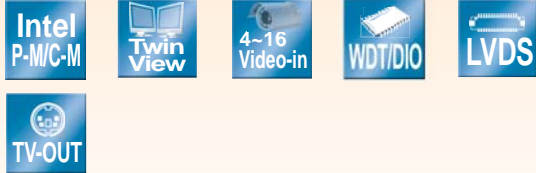


SI852A Series

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 + ICH4
- . BIOS Award BIOS
- . 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 DIMM slot (max. 1GB)
- . IDE Ultra ATA 100 / 66 / 33, 1 x 40 pin 2.54mm, 1 x 44 pin 2.0mm
CF Card Type II socket for ATA interface
- . Audio AC-Link for Audio CODEC, AC' 97 2.1
Support Line-out / Mic-in / Line-in
- . LAN 1 x Realtek 10 / 100 Mbps (optional Realtek / Intel GbE)
Intel 82541PI or Realtek RLT8100C / RLT8110SC LAN Chip
- . IO Function 1 x RS232 + 1 x RS232 / 422 / 485
IrDA 1.0 / ASKIR protocol
PS/2 keyboard & mouse
- . TV-Out Support 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
- . Expansion interface 1 x Mini PCI socket
- . 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

Ordering Information

- . SI852A-4SR10 1 chip (Conexant CX25878) with 4 video-in channels
- . SI852A-4UR10/4URXX (socket) 4 chip (Conexant CX25878) with 4 video-in channels
- . SI852A-4HR10/4HRXX (socket) 4 chip (Conexant CX25878) with 16 video-in channels

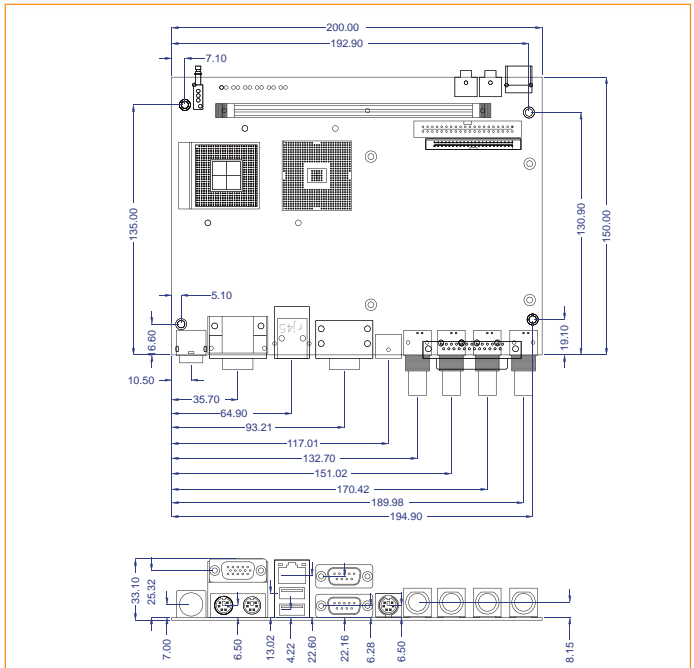
Testing environment

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

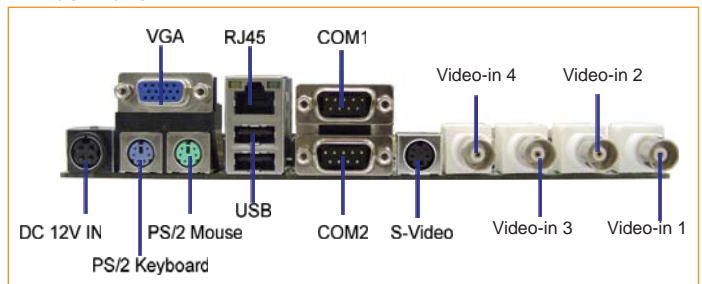
Fanless solution with CF card					
Chassis	Light	Neo	Twister	Tino	
Temperature					
0°C	Pass	Pass	Pass	Pass	
40°C	Pass	Pass	Pass	Pass	
45°C	Pass	Pass	Pass	Pass	
60°C	Pass	Pass	Pass	Pass	

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

Dimension



Back Panel



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	Twister	Tino	
Temperature			
0°C	Pass	Pass	
40°C	Pass	Pass	
45°C	Pass	Pass	
60°C	Pass	Pass	

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

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