

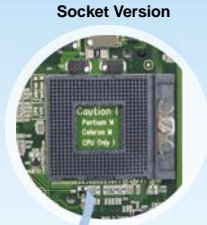
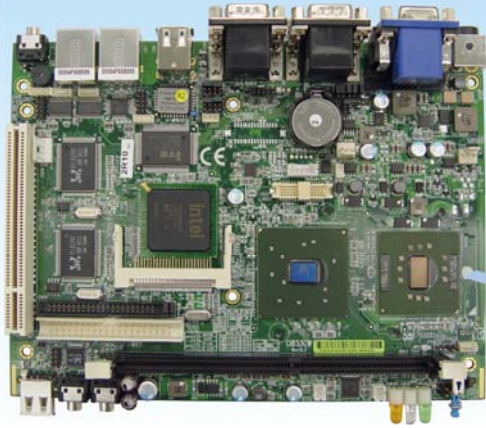
Networking

POS / Automation

DVR

Multimedia

Embedded System



CI852CW / CI853CW Series

Application

Embedded Car PC / POS / ATM / Kiosk / Panel PC solution

Features



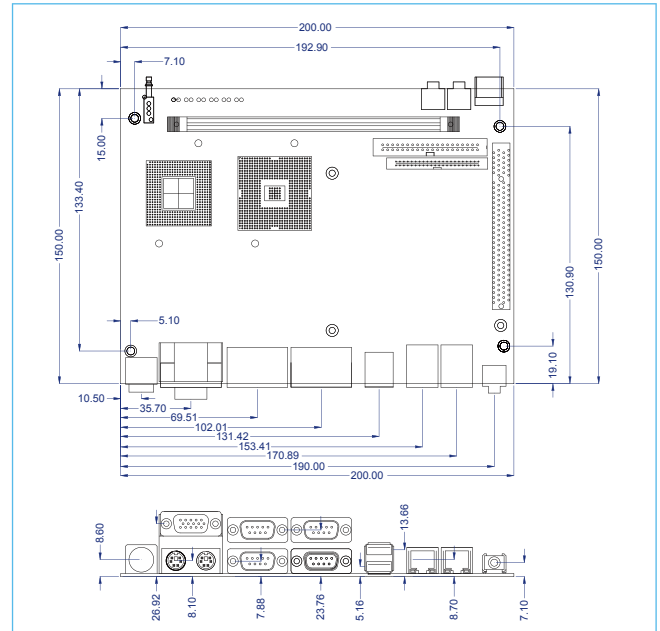
Specifications

- CPU type** Intel Pentium M / Celeron M- Dothan processor
- Front Side Bus** 400 / 533 MHz
- MB Chipset** Intel 82852 GM / 82852 GME (Socket) + ICH4
- BIOS** Award BIOS
- Graphics** Integrated with Intel 82852 GM / GME
Shared system memory up to 64 MB
- LVDS** LVDS1: 18 bits / LVDS2: 24 / 48 bits (option)
- 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 2.3
Support Line-out / Mic-in / Line-in
- LAN** 2 x Realtek 10 / 100 Mbps (optional Realtek / Intel GbE)
Intel 82541PI or Realtek RLT8100C / RLT8110SC LAN Chip
- IO Function** 4 x RS232 or 3 x RS232 + 1 x RS232 / 422 / 485
IrDA 1.0 / ASKIR protocol , PS/2 keyboard & mouse
- USB** 5 x USB 2.0 (3 external + 2 internal)
- Audio Amplifier (CI853C option)** 6-W / CH Into an 8-Ω Load from a 12-V Supply
Up to 92% Efficient, Class-D operation
- Touch Screen (CI853C option)** USB interface Touch screen controller
Support 4-, 5-, 8- wire Analog Resistive Touch screen
USB 1.1 full speed sample rate maximum of 300 point /sec.
- 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
1 x PCI slot (CI853CW) , 1 x PCI 104 (CI852CW)
- Power** Wide range DC-IN from +9V to +32V or
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

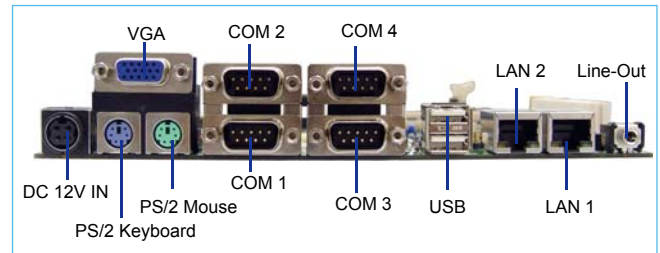
Ordering Information

- CI852C-2RNXX/2RN10 2 Realtek 8100C LAN, CPU Socket / On board, +12V
- CI852CW-2RN10 2 Realtek 8100C LAN, CPU On board, Wide range DC-IN +9~+32V
- CI853CW-2R10 2 Realtek 8100C LAN, CPU On board, Wide range DC-IN +9~+32V
- CI853C-2RXX/2R10 2 Realtek 8100C LAN, CPU Socket / On board, +12V
- CI853C-TR10 2 Realtek 8100C LAN, CPU Socket / On board, +12V, Touch Screen

Dimension



Back Panel



Testing environment

Model name : CI852CW-2RN10
 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 : CI852CW-2RNXX
 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