Embedded Solution

CI270CW Series

Application

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

Features

Specifications

. CPU type	Intel Atom N270 1.6 GHz processor
. Front Side Bus	533 MHz
. MB Chipset	Intel 945 GSE + ICH7M (82801 GBM)
. Graphics	Integrated with Intel 945 GSE
	Dynamic Video Memory Technology (DVMT 3.0)
. LVDS (option)	Data format of 18 bits / 36 bits
. System Memory	On board DDRII module 1 GB
	1 x DDRII SODIMM (max. 2 GB) (option)
. NAND flash memory	CF Card Type II for ATA interface
	On board SSD 1 / 2 / 4 / 8 GBytes (option)
. IDE	Ultra ATA 100 / 66 / 33, 1 x 40 pin 2.54mm
. SATA	2 x SATA ports
. Audio	Intel HD Audio. Supports Line-out / Mic-in / Lline-in
. LAN	2 x Intel 82574L or Realtek RLT8111C 10 / 100 / 1000 Mbps.
. IO function	5 x RS232 or RS485 (option) + 1 RS422 / 485 or RS232 (option)
. USB	8 x USB 2.0 (4 external + 4 internal)
. DVI	Supports DVI-D. Transmitter up to 165M pixels / sec.
. Audio Amplifier (option)	6-W / CH Into an 8-Ω Load from a 12-V Supply
	Up to 92% Efficient, Class-D operation
	Differential Input minimizes Common-Mode noise
. Touch Screen (option)	USB interface Touch screen controller
	Supports 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
. Expand interface	1 x Mini PCI socket
	1 x PCIe mini card for USB interface
. Power	Wide range DC-IN from +6V to +35V 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

Testing environment

Model name : **CI270C**
CPU : Intel Atom N270 1.6 GHz
Chipset : Intel 945 GSE & ICH7M
OS : WIN XP
Testing Program : 3D

Fanless solution with CF card

Chassis / Temperature	Light	NEO	Twister	TINO
0ºC	Pass	Pass	Pass	Pass
25ºC	Pass	Pass	Pass	Pass
45ºC	Pass	Pass	Pass	Pass
55ºC	Pass	Pass	Pass	Pass

Fanless solution with 2.5" HDD

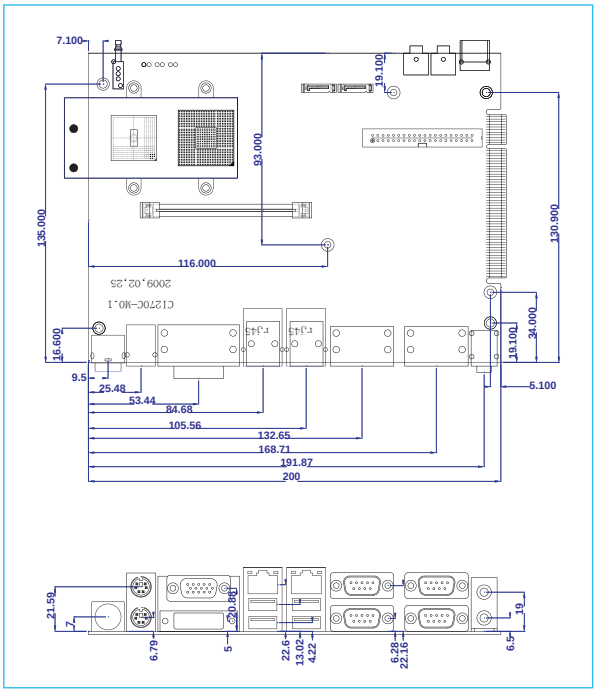
Chassis / Temperature	Light	NEO	Twister	TINO
0ºC	Pass	Pass	Pass	Pass
25ºC	Pass	Pass	Pass	Pass
45ºC	Pass	Pass	Pass	Pass

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

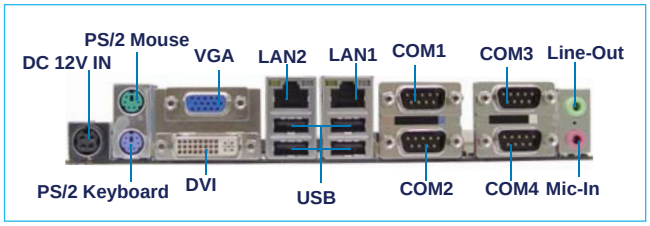
Ordering Information

. CI270C-2G-H16-00	Realtek GbE, 1 GB memory on board, +12V
. CI270C-TG-H16-00	Realtek GbE, Touch Screen, LVDS, +12V
	1 GB memory on board
. CI270CW-TG-H16-00	2 Realtek GbE, Touch Screen, LVDS
	Wide range DC-IN +6~+35V, 1 GB memory on board

Dimension



Back Panel



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