

Embedded Solution

POS/Automation application



BI525CW Series

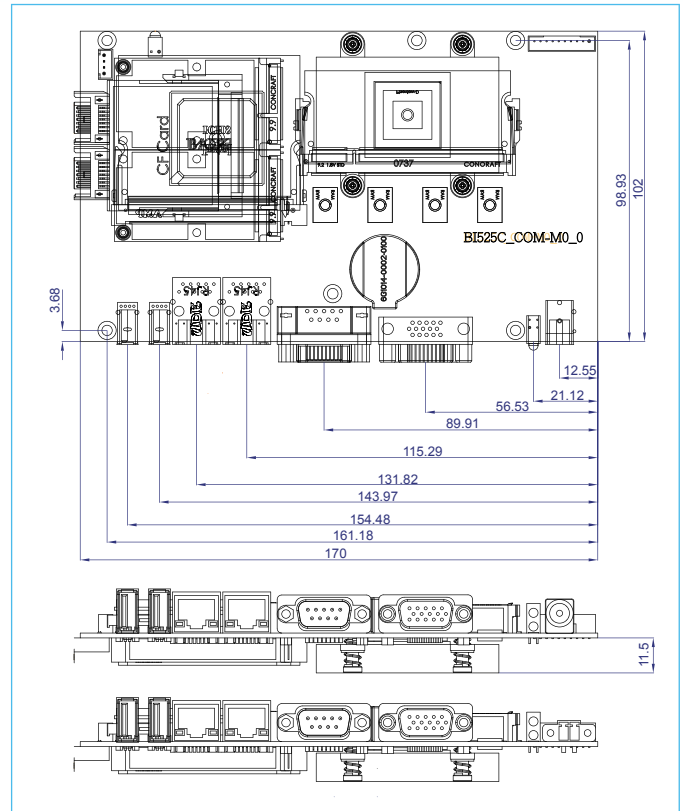
Application

Battery solution for Embedded Car PC / POS / ATM / NVR / Kiosk / Panel PC application

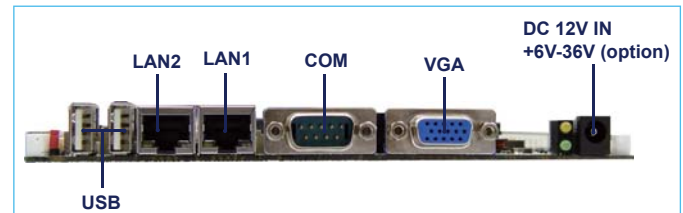
Features



Dimension



Back Panel



Testing environment

Model name: BI525CW-RH13-00
 CPU: Intel Atom D525 1.8 GHz
 Chipset: Intel Atom D525 + ICH8M
 OS: WIN XP
 Testing Program: 3D Mark 2001

Temperature	Fanless solution with CF card		Fanless solution with 2.5" HDD	
	Slim Panel PC	TWISTER	Slim Panel PC	TWISTER
0°C	Pass	—	Pass	—
25°C	Pass	—	Pass	—
45°C	Pass	—	Pass	—

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

Car PC

Networking

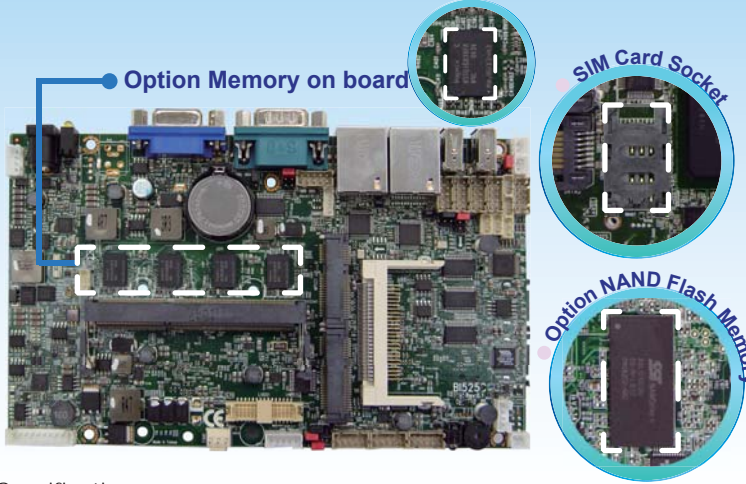
POS / Automation

DVR

Digital Signage / Thin Client

Embedded System

Panel PC



Specifications

MODEL	BI525CW Series
CPU Type	Intel Atom D525 1.8 GHz (Dual core processor)
MB Chipset	Intel Atom D525 + ICH8M (82801 HBM)
BIOS	Award BIOS
Graphics	Intel Luna Pier Refresh Pineview-D Integrated Graphics Engine
LVDS	Data format of 18 bits
System Memory	On board DDR3 SDRAM 1GB and 1 x DDR3 SO-DIMM
NAND Flash Memory	CF Card Type 2 socket for ATA interface On board SSD 2 / 4 / 8 GBytes (option)
SATA	2 x SATA ports
Audio	Intel HD Audio Specification Rev. 1.0 Compliant. Support Line-out / Mic-in / Line-in
LAN	2 x Realtek RTL8111DL or 2 x Intel 82583V / 82574L 10 / 100 / 1000 Mbps
IO Function	5 x RS232 or 485 (option) + 1 x RS422 / 485 or 232 (option) Support PS/2 keyboard & mouse
USB	7 x USB 2.0 (2 external + 5 internal)
Audio Amplifier (option)	Two channels Audio Amplifier 6W/CH Class-D operation into an 8-Ω Load from a 12-V Supply
Touch Screen	USB/COM 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. Resolution : 2048 x 2048
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 2 x PCIe mini card for PCIe & USB interface 3G SIM card socket
Power	On board Wide range DC-IN from +6V to +36V Support Battery Charger function for 4 serial Cell up to 16.8V Li battery package with 1A current to Cell charger Support OCP, OVP and circuit short protection
Dimension	170 x 102 mm
Operation Temperature	0 ~ 60 °C
Operation Humidity	5 ~ 95% @ 60 °C, non-condensing

Ordering Information

. BI525CW-RH13-00 2 x Realtek GbE, 1GB DDR3 on board & DDR3 SO-DIMM socket, LVDS



4S2P Rechargeable Battery

2 to 4 hours of battery life