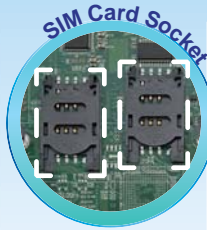
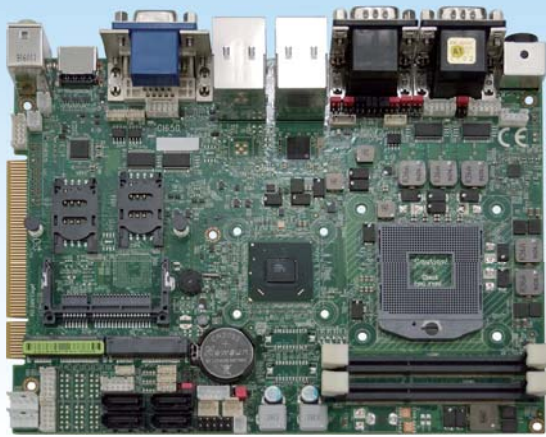


# Embedded Solution

## POS/Automation application



### CI650A Series

Application

Automation control / POS / ATM / Kiosk application

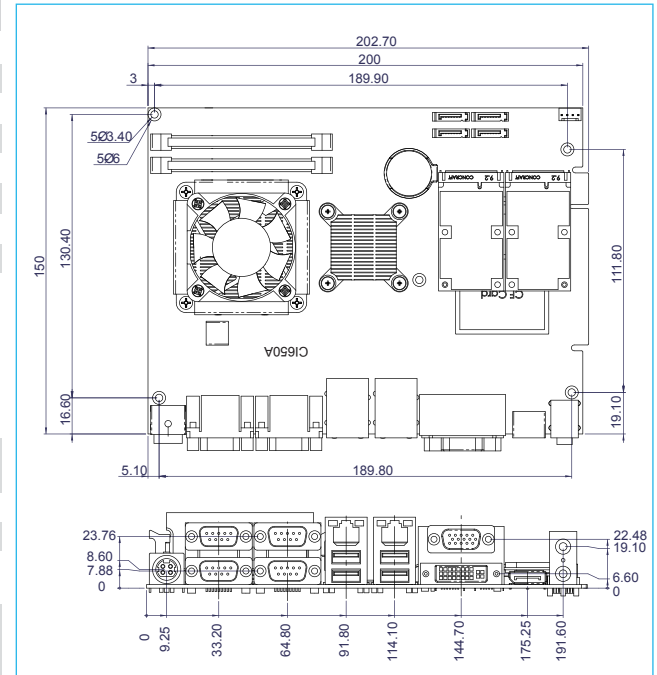
Features



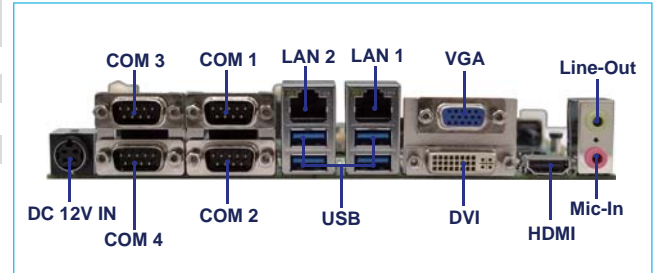
#### Specifications

MODEL	CI650A Series
CPU Type	Intel Mobile Sandy Bridge Processor rPGA988B socket, Intel® Core™ series
MB Chipset	Panther Point Platform Controller Hub ( PCH ) QM77
Graphics	Integrated Display Engine, GPU of Intel Mobile Sandy Bridge Processor
System Memory	Dual Channel, Non ECC, 2 x DDR3 1333 SO-DIMM sockets ( max. 16GB )
NAND Flash Memory	CFast Card Type I/II socket for SATA interface 2.0
SATA	4 x SATA ports ( 2 x SATA 2.0 and 2 x SATA 3.0 )
HDMI	HDMI 1.3a ( Type A 19pin )
DISPLAY Port (option)	Compatible with Display port 1.1a
Audio	Intel High Definition Audio Specification Rev.1.0 Compliant Support Line-out / Mic-in / Line-in
LAN	LAN1: QM77 integrated Giga LAN controller w/ Intel 82579LM Giga phy or Intel 82574L Giga LAN controller (option) LAN2: Intel 82574L Giga LAN controller
USB	9 x USB 2.0 ( 4 external USB 3.0/2.0 + 5 internal USB 2.0 )
IO Function	5 x RS232 or 485/422 ( option ) + 1 x RS422/485/232 Support PS/2 key board & mouse
DVI	Support DVI-D. Transmitter up to 165M pixes/sec
Audio Amplifier	6W/CH Class-D operation into an 8-Ω Load from a 12-V Supply
DIO & WDT	Hardware digital Input & Output, 8 x DI / 8 x DO Hardware Watch Dog Timer, 0~255 sec programmable
Expansion Interface	2 x PCIe mini card, one for PCIe & USB interface, one for PCIe/mSATA (auto-detect) & USB interface 2 x 3G SIM card sockets, 1 x PCI/PCIe Gold finger, RS010 riser card to support 1 x PCIe, RS221/RS222 riser card to support 2 x PCI, RS215 riser card to support 1 x PCI, RS211/RS223 riser card to support 1 x PCI + 1 x PCIe, RS203 riser card to support 2 x PCIe
Power	On board DC +12V±5% convert to +3V / +5V / +12V for system
Dimension	200 x 150 mm
Operation Temperature	0 ~ 60 °C
Operation Humidity	5 ~ 95% @ 60 °C, non-condensing

#### Dimension



#### Back Panel



#### Available Chassis



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