



## Features

- Onboard 5th Gen Intel® Core™ U-Series processor
- 2x DDR3L-1600 SO-DIMM, Max. 16GB
- Supports DVI-I and 24bit dual-channel LVDS
- 2x Intel® PCI-E GbE LAN
- Watchdog timer, Digital I/O, mSATA, iSMART
- 2x USB 3.0, 2x USB 2.0, 2x COM, 2x SATA III
- 2x Mini PCI-E slot, mSATA



IB909 with Heat spreader



IB909 with Heatsink

## Specifications

CPU	Intel® Core™ i7-5650U processor (2.2GHz) Intel® Core™ i5-5350U processor (1.8GHz) Intel® Core™ i3-5010U processor (2.1GHz)
PCH	Integrated in Intel® 5th Gen Core™ i U-Series processor
Memory Types	2x DDR3L-1600 SO-DIMM, Max 16GB (Non-ECC)
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	1x mSATA
Mini Type Slots	2x Mini PCI-E (1x full-size, 1x half-size)
Graphics Controller	5th Gen Intel® Core™ i U-Series processor integrated graphics
Video Output	Support DVI-I and 24-bit dual-channel LVDS
Ethernet	IB909AF: Intel® I218LM LAN PHY IB909F: Intel® I218V LAN PHY Intel® I211AT PCI-E Gigabit LAN (as 2nd LAN)
I/O Chip	Nuvoton NCT6102D
Serial Port	1x RS232/422/485 (jumperless selection) 1x RS232
USB 2.0	2x USB 2.0 on via pin header
USB 3.0/ 3.1	2x USB 3.0 on board
Serial ATA	2x SATA III
Audio	5th Gen Intel® Core™ i U-Series processor built-in HD audio controller + Realtek ALC269Q-VC3 w/ class-D speaker amplifier
TPM	N/A
Others	Digital I/O, +9V~ +24V DC-in, iSMART
Dimensions (L x W)	102mm x 147mm (4" x 5.8")
Power Consumption	Intel® Core™ i5-5350U 1.80GHz w/ 8GB DDR3L-1600, +12V: 3.84A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	90% (non-condensing @60°C)

## Ordering Information

IB909AF-5650	Intel® Core™ i7-5650U(2.2GHz) 3.5-inch Disk-Size SBC w/ dual PCI-E GbE LAN, DVI-I & LVDS(24-bit LVDS dual-channel), mSATA, iSMART, iAMT(10.0)
IB909AF-5350	Intel® Core™ i5-5350U(1.8GHz) 3.5-inch Disk-Size SBC w/ dual PCI-E GbE LAN, DVI-I & LVDS(24-bit LVDS dual-channel), mSATA, iSMART, iAMT(10.0)
IB909F-5010	Intel® Core™ i3-5010U(2.1GHz) 3.5-inch Disk-Size SBC w/ dual PCI-E GbE LAN, DVI-I & LVDS(24-bit LVDS dual-channel), mSATA, iSMART
HSIB908-BGA	Heatsink for IB909/IB908
HSIB908-BGA-2	Heat Spreader for IB909/IB908
IB75	Cable Kit w/ SATA+power cable, USB, COM, power cable

## Dimensions and Drawing

