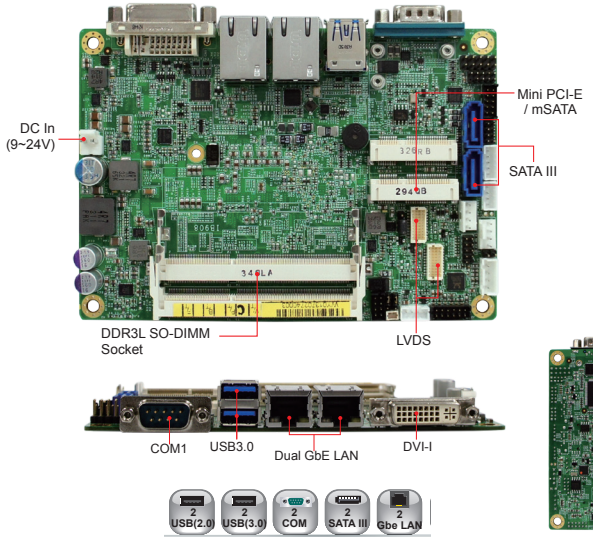
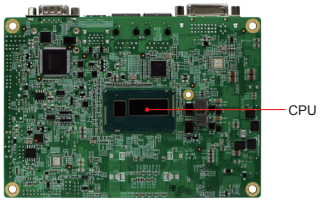
IB908

4th Generation Intel® Core™ U-series Processor 3.5" Disk-Size SBC

iSMART | Wide input range





Features

- Onboard 4th Generation 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, iSMART, iAMT(9.5)
- 2x USB 3.0, 2x USB 2.0, 2x COM,2x SATA III
- 2x Mini PCI-E slot, mSATA

System

CPU	Intel® Core™ i7-4650U processor (1.7GHz) Intel® Core™ i5-4300U processor (1.9GHz) Intel® Celeron® 2980U processor (1.6GHz)
System Memory	2x DDR3L-1600 SO-DIMM, Max 16GB (Non-ECC)
System Chipset	Integrated in 4th Generation Intel® Core™ i U-series processor
BIOS	AMI BIOS
Watchdog Timer	256 levels
SSD	2x mSATA
H/W Monitor	Yes
Expansion Slot	2x Mini PCI-E (1x full-sized, 1x half-sized)

Graphics

VGA Controller	4th Generation Intel® Core™ i U-series processor integrated graphics
VGA Memory	Shared memory
Display Interface	Supports DVI-I and 24-bit dual channel LVDS

LAN

Controller	IB908AF: Intel® I218LM LAN PHY IB908F: Intel® I218V LAN PHY Intel® I211AT PCI-E Gigabit LAN (as 2nd LAN)
Connector	2x RJ-45 on board

Multi I/O

I/O Chipset	Nuvoton NCT6102D 1x RS-232/422/485 (Jumperless selection) 1x RS232, 2x SATA III
USB	2 ports USB3.0 on board 2 ports USB2.0 via pin header
Audio	4th Generation Intel® Core™ i U-series processor built-in HD audio controller w/ Realtek ALC269Q-VC2-GR codec w/ class-D speaker amplifier
Others	Digital I/O, +9V~ +24V DC-In, iSMART

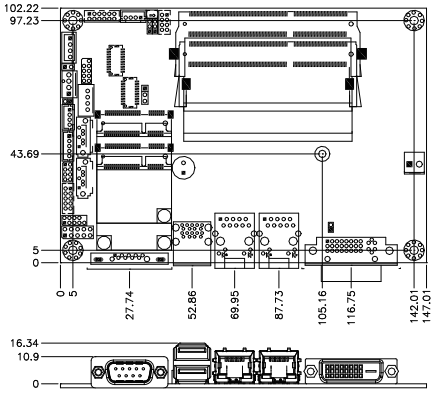
Mechanical and Environmental

Dimensions	102mm x 147mm (4" x 5.8")
Max. Power Requirement	Intel® Core™ i7-4650U @1.70 GHz w/Transcend 2GB DDR3L-1600 *2 +12V: 2.75A
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

IB908AF-4650	Intel® Core™ i7-4650U(1.7GHz) 3.5-inch Disk Size SBC w/ dual PCI-E GbE LAN, DVI-I & LVDS(24-bit LVDS dual channel), mSATA, iSMART, iAMT (9.5)
IB908AF-4300	Intel® Core™ i5-4300U(1.9GHz) 3.5-inch Disk Size SBC w/ dual PCI-E GbE LAN, DVI-I & LVDS(24-bit LVDS dual channel), mSATA, iSMART, iAMT (9.5)
IB908F-2980 (MOQ)	Intel® Celeron® 2980U(1.6GHz) 3.5-inch Disk Size SBC w/ dual PCI-E GbE LAN, DVI-I & LVDS (24-bit LVDS dual channel), mSATA, iSMART
IB75	Cable kit IB908/IB909 series ,w/ SATA+power cablle, USB, COM, power cable
HSIB908-BGA	Heatsink for IB909/IB908
HSIB908-BGA-2	Heat spreader for IB909/IB908

Dimensions and Drawing



Remarks: 1. Specifications are subject to change without prior notice. 2. ODM/OEM is available. 3. For user's manual & datasheet download, visit www.ibase.com.tw.