

IB908

3.5" Disk-Size SBC 4th Gen Intel® Core™ U-Series 3.5" Disk-Size SBC

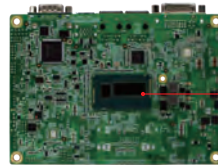
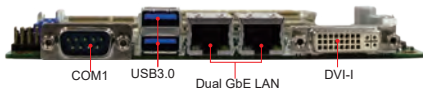
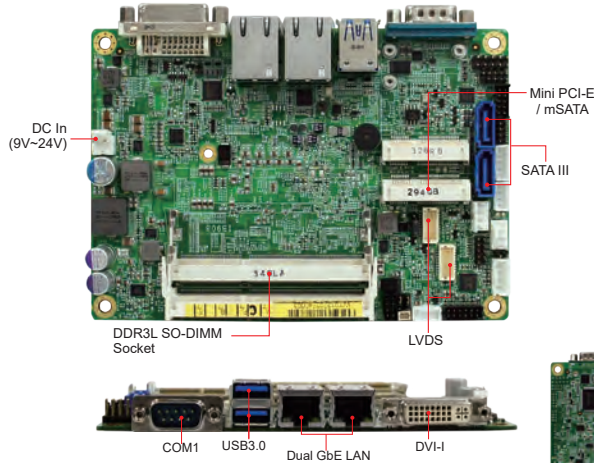


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IB908 with Heat spreader



IB908 with Heatsink

Features

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

Specifications

| | |
|--------------------------|---|
| CPU | Intel® Core™ i7-4650U processor (1.7GHz) Intel® Core™ i5-4300U processor (1.9GHz) Intel® Celeron® 2980U processor (1.6GHz) |
| PCH | Integrated in 4th Gen Intel® Core™ i U-Series processor |
| Memory Type | 2x DDR3L-1600 SO-DIMM, Max 16GB (Non-ECC) |
| BIOS | AMI |
| Watchdog Timer | 256 levels |
| H/W Monitor | Yes |
| Storage Device Interface | 2x mSATA |
| Mini Type Slots | 2x Mini PCI-E (1x full-size, 1x half-size) |
| Graphics Controller | 4th Gen Intel® Core™ i U-Series processor integrated graphics |
| Video Output | Supports DVI-I and 24-bit dual-channel LVDS |
| Ethernet | IB908AF: Intel® I218LM LAN PHY IB908F: 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 USB2.0 via pin header |
| USB 3.0/ 3.1 | 2x USB3.0 on board |
| Serial ATA | 2x SATA III |
| Audio | 4th Gen Intel® Core™ i U-series processor built-in HD audio controller w/ Realtek ALC269Q-VC2-GR codec 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™ i7-4650U @1.70 GHz w/ 2x 2GB DDR3L-1600 +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 |
| 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

