

IB916 with Heat spreader



IB916 with Heatsink

Features

- Onboard 7th Gen Intel® Core™ U-Series processor
- 2x DDR4-2133 SO-DIMM, Max 32GB, Non-ECC
- Supports eDP, DisplayPort and HDMI 1.4
- 2x Intel® PCI-E GbE LAN
- Watchdog timer, Digital I/O, mSATA, iSMART, TPM (2.0)
- 2x USB 2.0, 4x USB 3.0, 4x COM, 2x SATA III
- 1x Mini PCI-E slot

Specifications

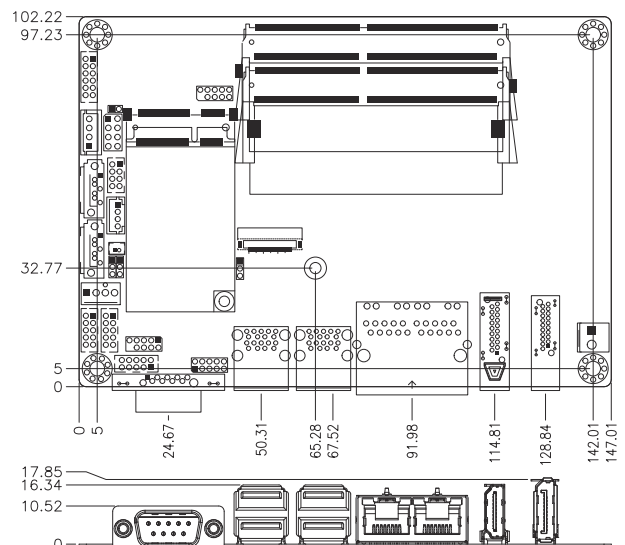
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|--------------------------|--|
| CPU | BGA1356 for 7th Gen Intel® Core™ U-Series i7/i5/i3/ Celeron® DC processors, up to 3.4GHz |
| PCH | Integrated in 7th Gen Intel® Core™ U-Series processor |
| Memory | 2x DDR4-2133 SO-DIMM, Max 32GB (Non-ECC) |
| BIOS | AMI |
| Watchdog Timer | 256 levels |
| H/W Monitor | Yes |
| Storage Device Interface | 1x mSATA |
| Mini Type Slots | 1x Mini PCI-E (full-size) |
| Graphics Controller | 7th Gen Intel® Core™ U-Series processor integrated graphics |
| Video Output | Supports eDP, DisplayPort and HDMI |
| Ethernet | IB916AF series: Intel® I219LM LAN PHY IB916F series: Intel® I219V LAN PHY Intel® I211AT or I210AT Gigabit LAN (as 2nd LAN) |
| I/O Chipset | Fintek F81846AD-I |
| Serial Port | 1x RS232/422/485 (jumper-less selection), 3x RS232 |
| USB 2.0 | 2x USB 2.0 via pin header |
| USB 3.X | 4x USB 3.0 on board |
| Serial ATA | 2x SATA III |
| Audio | 7th Gen Intel® Core™ U-Series processor built-in HD audio controller + Realtek ALC888S codec |
| TPM | TPM (2.0) |
| Others | Digital I/O, +9V~ +24V DC-in, iSMART |
| Dimensions (L x W) | 102mm x 147mm (4" x 5.8") |
| Power Consumption | Intel® i5-7300U, 2.6GHz w/ 8GB DDR4-2133, +12V: 2.06A Intel® i3-7100U, 2.4GHz w/ 8GB DDR4-2133, +12V: 2.24A |
| 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

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|-------------------|---|
| IB916AFS-7600 | Intel® Core™ i7-7600U(2.8GHz/3.9GHz), 3.5" SBC w/ dual PCI-E GbE LAN, eDP, DP & HDMI, TPM (2.0), iSMART, mSATA, iAMT(1.1.6) |
| IB916AFS-7300 | Intel® Core™ i5-7300U(2.6GHz/3.5GHz), 3.5" SBC w/ dual PCI-E GbE LAN, eDP, DP & HDMI, TPM (2.0), mSATA, iSMART |
| IB916FS-7100 | Intel® Core™ i3-7100U(2.4GHz), 3.5" SBC w/ dual PCI-E GbE LAN, eDP, DP & HDMI, TPM (2.0), mSATA, iSMART |
| IB916F-3965 (MOQ) | Intel® Celeron® 3965U(2.2GHz), 3.5" SBC w/ dual PCI-E GbE LAN, eDP, DP & HDMI, TPM (2.0), mSATA, iSMART |
| HSIB916-A | Heatsink for IB917/IB916 |
| HSIB916-1 | Heat spreader for IB917/IB916 |
| IB76A-2 | Cable kit w/ USB, COM, Power, SATA + Power cable |

*[S] means with Realtek ALC888S codec

Dimensions and Drawing



1 CPU Modules

2 Single Board Computers

3 Motherboards

4 CPU Cards