



Features

- Onboard 7th Generation 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

System

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|-----------------|--|
| CPU | BGA1356 for 7th Generation Intel® Core™ U-series i7 / i5 / i3 / Celeron® DC processors, up to 3.4GHz |
| System Memory | 2x DDR4-2133 SO-DIMM, Max 32GB (Non-ECC) |
| System Chipset | Integrated in 7th Generation Intel® Core™ U-series processor |
| BIOS | AMI |
| Watchdog Timer | 256 levels |
| SSD | 1x mSATA |
| H/W Monitor | Yes |
| Expansion Slots | 1x Mini PCI-E (Full-sized) |

Graphics

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|-------------------|--|
| VGA Controller | 7th Generation Intel® Core™ U-series processor integrated graphics |
| VGA Memory | Shared memory |
| Display Interface | Supports eDP, DisplayPort and HDMI |

LAN

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|------------|--|
| Controller | IB916AF series: Intel® I219LM LAN PHY IB916F series : Intel® I219V LAN PHY Intel® I211AT PCI-E Gigabit LAN(as 2nd LAN) |
| Connector | 2x RJ-45 on board |

Multi I/O

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|-------------|--|
| I/O Chipset | Fintek F81846AD-I 1x RS232/422/485(jumperless selection), 3x RS232, 2x SATA III |
| USB | 4 ports USB3.0 on board 2 ports USB2.0 on via pin header |
| Audio | 7th Generation Intel® Core™ U-series processor built-in HD Audio controller + Realtek ALC662 codec |
| Others | Digital I/O, +9V~ +24V DC-in, iSMART, TPM(2.0) |

Mechanical and Environmental

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|------------------------|----------------------------|
| Dimensions | 102mm x 147mm (4" x 5.8") |
| Max. Power Requirement | TBD |
| 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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|-------------------|---|
| IB916AF-7600 | 3.5", Intel® Core™ i7-7600U(2.8GHz/3.9GHz), dual PCI-E GbE LAN, eDP, DP & HDMI, TPM(2.0), iSMART, mSATA, iAMT(11.6) |
| IB916AF-7300 | 3.5", Intel® Core™ i5-7300U(2.6GHz/3.5GHz), dual PCI-E GbE LAN, eDP, DP & HDMI, TPM(2.0), mSATA, iSMART |
| IB916F-7100 | 3.5", Intel® Core™ i3-7100U(2.4GHz), dual PCI-E GbE LAN, eDP, DP & HDMI, TPM(2.0), mSATA, iSMART |
| IB916F-3965 (MOQ) | 3.5", Intel® Celeron® 3965U(2.2GHz), dual PCI-E GbE LAN, eDP, DP & HDMI, TPM(2.0), mSATA, iSMART |
| HSIB916-A | Heatsink for IB916/IB917 |
| HSIB916-1 | Heat spreader for IB916/IB917 |
| IB76A | Cable Kit w/ USB, COM, Power cable, SATA+Power cable |

Dimensions and Drawing

