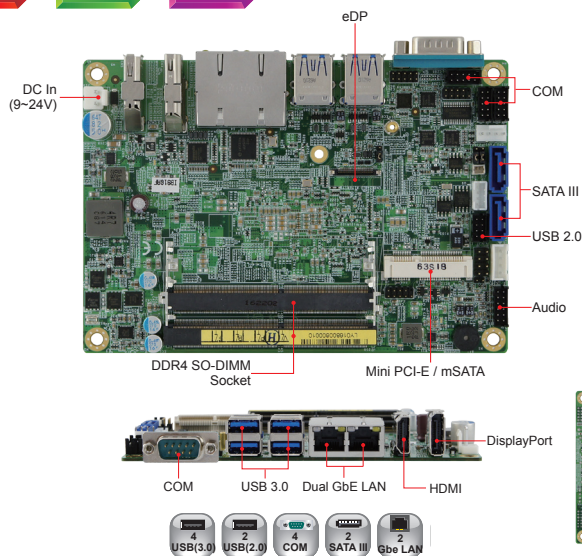


IB916 with Heat spreader



IB916 with Heatsink

## System

|                 |                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------|
| 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

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

## LAN

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

## Multi I/O

|             |                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------|
| I/O Chipset | Fintek F81846AD-I<br>1x RS232/422/485(jumperless selection),<br>3x RS232, 2x SATA III              |
| USB         | 4 ports USB3.0 on board<br>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)                                                     |

## 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

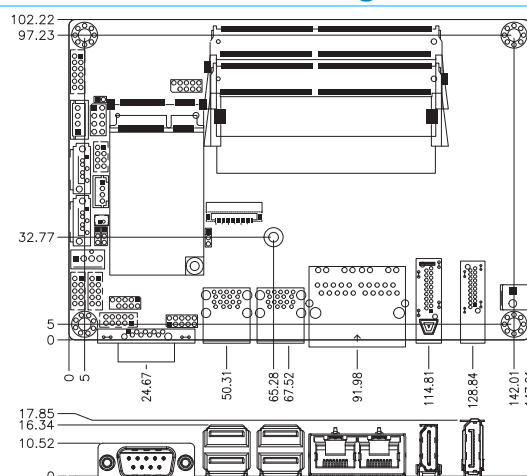
## Mechanical and Environmental

|                        |                            |
|------------------------|----------------------------|
| 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

|                   |                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------|
| 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



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