

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

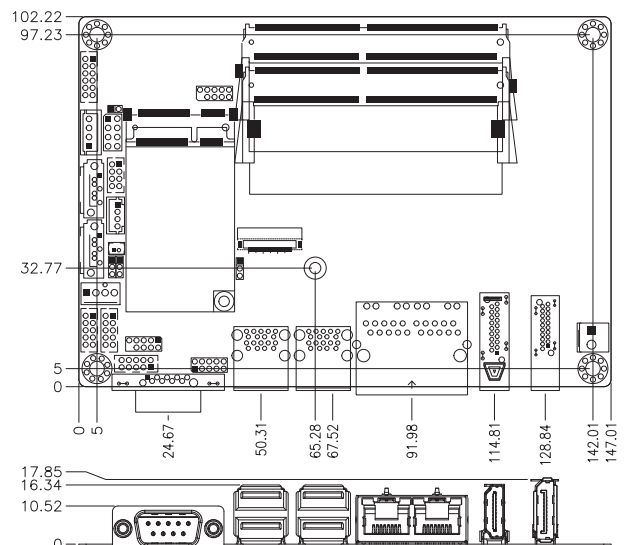
CPU	BGA1356 for 7th Gen Intel® Core™ U-Series i7/i5/i3/ Celeron® DC processors, up to 3.4GHz
PCH	Integrated in 7th Gen Intel® Core™ U-Series processor
Memory Type	2x DDR4-2133 SO-DIMM, Max 32GB (Non-ECC)
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	1x mSATA
Mini Type Slots	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 Chip	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

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, iAMI(11.6)
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



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2 Single Board Computers

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