



Features

- Onboard 7th Gen Intel® Core™ U-Series processor
- 2x DDR4-2133 SO-DIMM, Max 32GB, Non-ECC
- Supports DisplayPort, HDMI and 24-bit dual-channel LVDS (IB917)/eDP(IB916)
- 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 Types	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 DisplayPort, HDMI and 24-bit dual-channel LVDS
Ethernet	IB917AF series: Intel® I219LM LAN PHY IB917F series: Intel® I219V LAN PHY Intel® I211AT PCI-E Gigabit LAN (as 2nd LAN)
I/O Chip	Fintek F81846AD-I
Serial Port	1x RS-232/422/485 (jumperless selection), 3x RS232
USB 2.0	2x USB 2.0 via pin header
USB 3.0/ 3.1	4x USB 2.0 via pin header
Serial ATA	2x SATA III
Audio	7th Gen Intel® Core™ U-Series processor built-in HD Audio controller + Realtek ALC662 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® i7-7600U, 2.8GHz w/ 8GB DDR4-2133+12V: 3.46A Intel® i3-7100U, 2.4GHz w/ 8GB DDR4-2133+12V: 2.68A
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

IB917AF-7600	Intel® Core™ i7-7600U(2.8GHz/3.9GHz), 3.5-inch Disk-Size SBC w/ dual PCI-E GbE LAN, DP & HDMI, LVDS(24-bit LVDS dual-channel), TPM (2.0), iSMART, mSATA, iAMT(11.6)
IB917AF-7300	Intel® Core™ i5-7300U(2.6GHz/3.5GHz), 3.5-inch Disk-Size SBC w/ dual PCI-E GbE LAN, DP & HDMI, LVDS (24-bit LVDS dual-channel), TPM (2.0), mSATA, iSMART
IB917F-7100	Intel® Core™ i3-7100U(2.4GHz), 3.5-inch Disk-Size SBC w/ dual PCI-E GbE LAN, DP & HDMI, LVDS(24-bit LVDS dual-channel), TPM (2.0), mSATA, iSMART
IB917F-3965 (MOQ)	Intel® Celeron® 3965U(2.2GHz), 3.5-inch Disk-size SBC, w/ dual PCI-E GbE LAN, DP & HDMI, LVDS(24-bit LVDS dual-channel), TPM (2.0), mSATA, iSMART

Dimensions and Drawing

