

Features

- Onboard 6th Generation Intel® Core™ U-series processor
- 2x DDR3L-1600 SO-DIMM, Max 16GB
- Supports eDP, DP and 24bit dual channel LVDS
- 2x Intel® PCI-E Gigabit LAN
- Watchdog timer, Digital I/O, mSATA, iSMART
- 2x USB 2.0, 4x USB 3.0, 1x USB 3.1(Type C), 4x COM, 2x SATAIII
- 1x Mini PCI-E slot

System

CPU	BGA1356 for 6th Generation Intel® Core™ U-series i7 / i5 / i3 / Celeron® DC processors, up to 3.4GHz
System Memory	2x DDR3L-1600 SO-DIMM, Max 16GB (Non-ECC)
System Chipset	Integratd in 6th Generation Intel® Core™ U-series processor
BIOS	AMI BIOS
Watchdog Timer	256 levels
SSD	1x mSATA
H/W Monitor	Yes
Expansion Slots	1x Mini PCI-E (Full-sized)

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)

Graphics

VGA Controller	6th Generation Intel® Core™ U-series processor integrated graphics
VGA Memory	shared memory
Display Interface	Supports eDP, DisplayPort and 24-bit dual channel LVDS

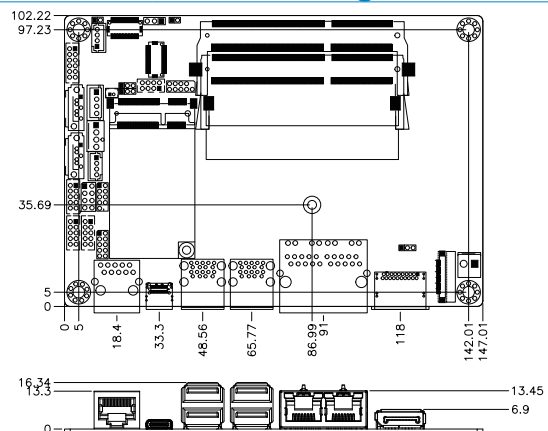
Ordering Information

IB915AF-6600	Intel® Core™ i7-6600U(2.6GHz/3.4GHz) 3.5-inch Disk Size SBC w/ dual PCI-E GbE LAN, eDP, DP & LVDS (24-bit LVDS dual channel), mSATA, iSMART, iAMT(11.0)
IB915AF-6300	Intel® Core™ i5-6300U(2.4GHz/3GHz) 3.5-inch Disk Size SBC w/dual PCI-E GbE LAN, eDP, DP & LVDS (24-bit LVDS dual channel), mSATA, iSMART, iAMT(11.0)
IB915F-6100	Intel® Core™ i3-6100U(2.3GHz) 3.5-inch Disk Size SBC w/dual PCI-E GbE LAN, eDP, DP & LVDS(24-bit LVDS dual channel), mSATA, iSMART
IB915F-3955	Intel® Celeron® 3955U (2GHz) 3.5-inch Disk Size SBC w/ dual PCI-E GbE LAN, eDP, DP & LVDS(24-bit LVDS dual channel), mSATA, iSMART

LAN

Controller	IB915AF: Intel® I219LM LAN PHY IB915F: Intel® I219V LAN PHY Intel® I211AT PCI-E Gigabit LAN(as 2 nd LAN)
Connector	2x RJ-45 on board

Dimensions and Drawing



Multi I/O

I/O Chipset	Fintek F81846AD-I 1x RS-232/422/485(jumperless selection), 3x RS232, 2x SATA III
USB	4 ports USB3.0 on board 2 ports USB2.0 on via pin header
Audio	6th Generation Intel® Core™ U-series processor built-in HD audio controller + Realtek ALC662 codec
Others	Digital I/O, +9V~ +24V DC-in, iSMART

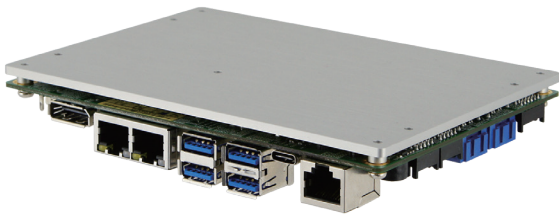
IB915

6th Generation Intel® Core™ U-series Processor
3.5-inch Disk Size SBC

Mobile Processor Ultra Low Power Reference Table

Processor Number	Base Freq (GHz)	Intel® Turbo Boost Technology - max single core turbo freq (GHz)	Last Level Cache	Cores/Threads	Memory Speed Support (DDR3)	TDP	GT TYPE	Intel® vPro	Intel Technology ³			
									Intel® AMT	Intel® TxT	Intel® VT-x	Intel® VT-d
6th Generation Intel® Core™ Processors - 14nm or Skylake Platform (U-Series)												
i7-6600U	2.6	3.40	4M	2/4	1600	15W	GT2-520	✓	AMT 11.0	✓	✓	✓
i5-6300U	2.4	3.00	3M	2/4	1600	15W	GT2-520	✓	AMT 11.0	✓	✓	✓
i3-64100U	2.3		3M	2/4	1600	15W	GT2-520		AMT 11.0		✓	✓
3995U	2		2M	2/2	1600	15W	GT2-520		AMT 11.0		✓	

IB915 with heat spreader



IB915 with heatsink



iSMART Technology

