

### 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)   |

### 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             |

### LAN

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

### Multi I/O

|             |  |
|-------------|--|
| I/O Chipset | Fintek F81846AD-I<br>1x RS-232/422/485(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       | 6th Generation Intel® Core™ U-series processor built-in HD audio controller + Realtek ALC662 codec |
| Others      | Digital I/O, +9V~ +24V DC-in, iSMART   |

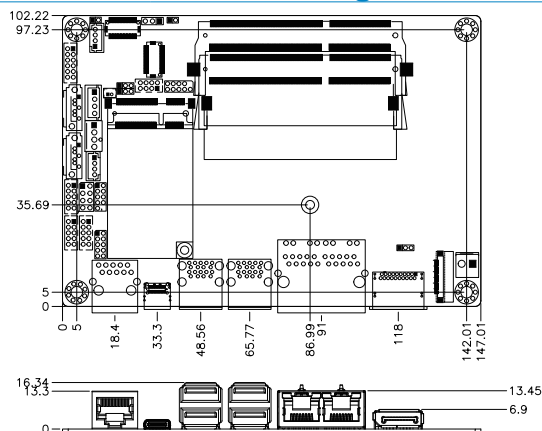
### Mechanical and Environmental

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

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

### Dimensions and Drawing



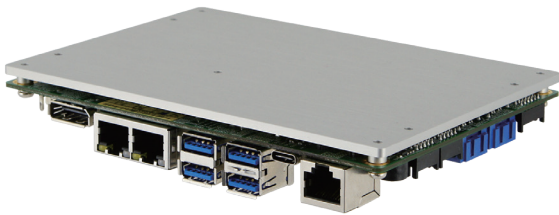
IB915

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 <sup>3</sup> |            |             |             |
|--|-----------------|--|------------------|---------------|-----------------------------|-----|---------|-------------|-------------------------------|------------|-------------|-------------|
|  |                 |  |                  |               |                             |     |         |             | 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                      |            | ✓           |             |

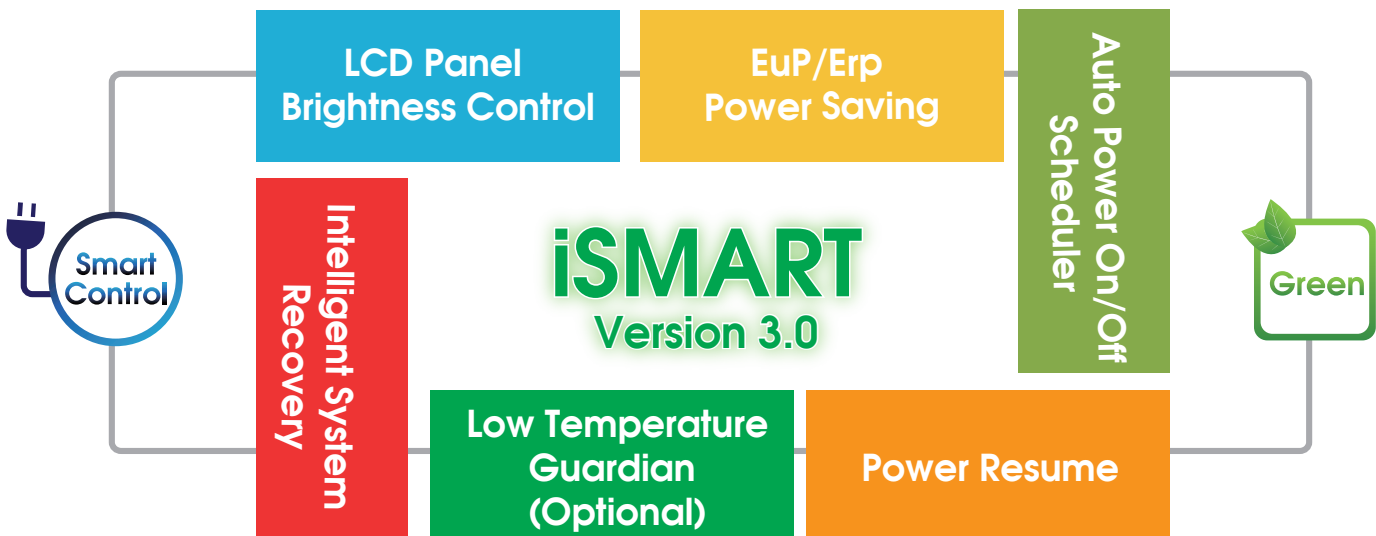
IB915 with heat spreader



IB915 with heatsink



iSMART Technology



Remarks: 1. Specifications are subject to change without prior notice. 2. ODM/OEM is available. 3. For user's manual & datasheet download, visit [www.ibase.com.tw](http://www.ibase.com.tw).

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