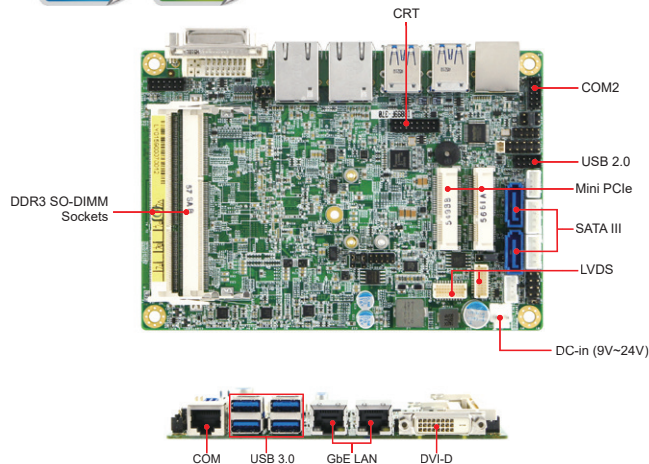
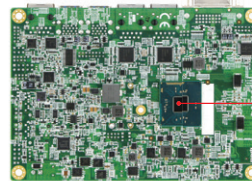




## Features

- Onboard Intel® Pentium® QC N3710, up to 2.56GHz or Celeron® DC N3010, up to 2.24GHz
- 2x DDR3L SO-DIMM sockets, Max. 8GB
- Supports VGA, DVI-D and 24-bit dual-channel LVDS
- 2x Intel® I211AT or I210AT Gigabit LAN
- 4x USB 3.0, 2x USB 2.0, 2x COM, 2x SATA III
- 2x Mini PCIe slots (1x full-size, 1x half-size)
- Watchdog Timer, Digital I/O, mSATA, iSMART(3.2), TPM(2.0)



CPU



IB899 with heatsink

## Specifications

|                          |                                                                          |
|--------------------------|--------------------------------------------------------------------------|
| CPU                      | Intel® Pentium® N3710, up to 2.56GHz or Celeron® N3010, up to 2.24GHz    |
| PCH                      | N/A                                                                      |
| Memory                   | 2x DDR3L SO-DIMM sockets, Max. 8GB                                       |
| BIOS                     | AMI                                                                      |
| Watchdog Timer           | 256 levels                                                               |
| H/W Monitor              | Yes                                                                      |
| Storage Device Interface | 1x mSATA                                                                 |
| Mini Type Slots          | 2x Mini PCIe (1x full-size, 1x half-size)                                |
| Graphics Controller      | Intel® Pentium® SoC integrated Gen-8 graphics                            |
| Video Output             | Supports DVI-D, CRT 24-bit dual-channel LVDS                             |
| Ethernet                 | 2x Intel® I211AT or I210AT Gigabit LAN                                   |
| I/O Chipset              | Nuvoton NCT5523D                                                         |
| Serial Port              | 1x RS232/422/485 (jumperless selection)<br>1x 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                    | Intel® Pentium® SoC built-in HD audio controller + Realtek ALC888S codec |
| TPM                      | TPM (2.0)                                                                |
| Others                   | Digital I/O, +9V~ +24V DC-in, iSMART (3.2)                               |
| Dimensions (L x W)       | 102mm x 147mm (4" x 5.8")                                                |
| Power Consumption        | Intel® Pentium® N3700 1.6GHz w/ 2x 4GB DDR3L-1600, +12V: 1.5A            |
| 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

|               |                                                                                                                                     |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------|
| IB899FS-371   | Intel® Pentium® N3710(2.56GHz) on board, 3.5" SBC w/ dual PCIe GbE LAN, CRT, DVI-D & LVDS (24-bit dual-channel LVDS), mSATA, iSMART |
| IB899FS-301   | Intel® Celeron® N3010(2.24GHz) on board, 3.5" SBC w/ dual PCIe GbE LAN, CRT, DVI-D & LVDS (24-bit dual-channel LVDS), mSATA, iSMART |
| HSIB899-BGA-A | Heatsink for IB899                                                                                                                  |
| HSIB899-BGA-1 | Heat Spreader for IB899                                                                                                             |
| IB81          | Cable kit w/ USB, COM, power, SATA + power, VGA, audio                                                                              |

\*(S) means with Realtek ALC888S codec

## Dimensions and Drawings

