



IB898 with Heat spreader

IB898 with Heatsink

Features

- Onboard Intel® Atom™ E3845 QC/ E3825 DC/ E3815 SC SoC, 1.9GHz/1.33GHz/1.46GHz
- 1x DDR3L-1066 SO-DIMM, Max. 4GB
- Supports VGA, DisplayPort and 24-bit dual-channel LVDS
- 1x Intel® I210IT PCI-E Gigabit LAN
- Watchdog timer, Digital I/O, mSATA, iSMART
- 3x USB 2.0, 1x USB 3.0, 2x COM, 2x SATA II
- 3x Mini PCI-E slots (2x full-size, 1x half-size)
- Wide-range operating temperature

Specifications

| | |
|--------------------------|--|
| CPU | Intel® Atom QC E3845 (1.9GHz, 2MB cache) Intel® Atom™ DC E3825 (1.33GHz, 1MB cache) Intel® Atom™ SC E3815 (1.46GHz, 512KB cache) |
| PCH | Integrated in Intel® Atom™ SoC |
| Memory Types | 1x DDR3L-1066 SO-DIMM, Max 4GB (Non-ECC) |
| BIOS | AMI |
| Watchdog Timer | 256 levels |
| H/W Monitor | Yes |
| Storage Device Interface | 1x mSATA |
| Mini Type Slots | 3x Mini PCI-E (2x full-size, 1x half-size) |
| Graphics Controller | Intel® Atom™ SoC integrated Gen7 4EUs graphics |
| Video Output | Supports CRT, DisplayPort, and 24-bit dual-channel LVDS |
| Ethernet | 1x Intel® I210IT PCI-E Gigabit LAN |
| I/O Chip | Nuvoton NCT5523D |
| Serial Port | 1x RS232/422/485 (jumperless selection) 1x RS232 |
| USB 2.0 | 1x USB 2.0 on board 2x USB 2.0 via pin header |
| USB 3.0/ 3.1 | 1x USB 3.0 on board |
| Serial ATA | 2x SATA II |
| Audio | Intel® Atom™ SoC built-in HD Audio controller + Realtek ALC269QHD codec w/ class-D amplifier |
| TPM | N/A |
| Others | Digital I/O, +12V DC-In, iSMART Wide-range operating temperature |
| Dimensions (L x W) | 102mm x 147mm (4" x 5.8") |
| Power Consumption | Intel® Atom™ E3825 1.33GHz w/ 4GB DDR3L-1600 +12V: 0.65A |
| Operating Temperature | -40°C~85°C (-40°F~185°F) |
| Storage Temperature | -40°C~90°C (-40°F~194°F) |
| Relative Humidity | 90% (non-condensing @60°C) |

Ordering Information

| | |
|----------------|--|
| IB898-I25 | Intel® Atom™ E3825 (1.33GHz) 3.5-inch Disk Size SBC w/ PCI-E GbE LAN, CRT, DisplayPort & LVDS (24-bit LVDS dual-channel), mSATA, iSMART, wide temp supports |
| IB898-I15 | Intel® Atom™ E3815 (1.46GHz) 3.5-inch Disk Size SBC w/ PCI-E GbE LAN, CRT, DisplayPort & LVDS (24-bit LVDS dual-channel), mSATA, iSMART 3.1, wide temp support |
| IB898-I45(MOQ) | Intel® Atom™ E3845 (1.9GHz) 3.5-inch Disk Size SBC w/ PCI-E GbE LAN, CRT, DisplayPort & LVDS (24-bit LVDS dual-channel), mSATA, iSMART, wide temp supports |
| HSIB898-BGA-A | Heatsink for IB898 |
| HSIB898-BGA-1 | Heat spreader for IB898 |
| IB76A-1 | Cable kit w/ USB, COM, Power, SATA + Power cable |

Dimensions and Drawing

