



Features

- Onboard Intel® Atom® E3825 DC/ E3815 SC SoC, 1.33GHz/1.46GHz
- 1x DDR3L-1066 SO-DIMM, Max. 8GB
- Supports VGA, DisplayPort and 24-bit dual-channel LVDS
- 1x Intel® I210IT 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® DC E3825 (1.33GHz, 1MB cache) Intel® Atom® SC E3815 (1.46GHz, 512KB cache)
PCH	Integratd in Intel® Atom® SoC
Memory	1x DDR3L-1066 SO-DIMM, Max 8GB (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 Gigabit LAN
I/O Chipset	Nuvoton NCT5523D
Serial Port	1x RS232/422/485 (jumper-less selection) 1x RS232
USB 2.0	1x USB 2.0 on board 2x USB 2.0 via pin header
USB 3.X	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-I25D1	Intel® Atom® E3825 (1.33GHz) 3.5" SBC w/ PCI-E GbE LAN, CRT, DisplayPort & LVDS (24-bit LVDS dual-channel), mSATA, iSMART, wide temp support
IB898-I15D1	Intel® Atom® E3815 (1.46GHz) 3.5" SBC w/ PCI-E GbE LAN, CRT, DisplayPort & LVDS (24-bit LVDS dual-channel), mSATA, iSMART 3.1, wide temp support
HSIB898-BGA-A	Heatsink for IB898
HSIB898-BGA-1	Heat spreader for IB898
IB76A-2	Cable kit w/ USB, COM, Power, SATA + Power cable

Dimensions and Drawing

