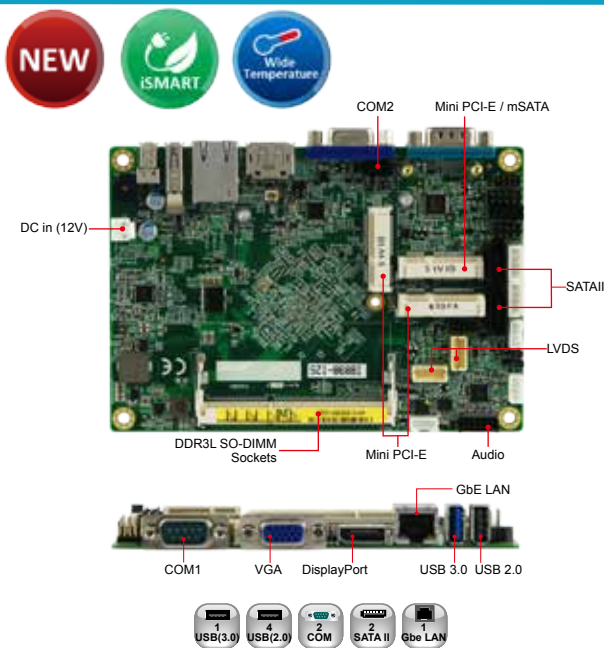


IB898 Intel® Atom™ E3825/E3815 SoC 3.5-inch Disk Size SBC



System

CPU	Intel® Atom™ DC E3825 (1.33GHz, 1MB cache) Intel® Atom™ SC E3815 (1.46GHz, 512KB cache)
System Memory	1x DDR3L-1066 SO-DIMM, Max 4GB (Non-ECC)
System Chipset	Integrated in Intel® Atom™ SoC
BIOS	AMI
Watchdog Timer	256 levels
SSD	1x mSATA
H/W Monitor	Yes
Expansion Slots	3x Mini PCI-E (2x full-sized, 1x half-sized)

Graphics

VGA Controller	Intel® Atom™ SoC integrated Gen7 4EUs graphics
VGA Memory	Shared memory
Display Interface	Supports CRT, DisplayPort, and 24-bit dual channel LVDS

LAN

Controller	1x Intel® I210IT PCI-E Gigabit LAN
Connector	1x RJ-45 on board

Multi I/O

I/O Chipset	Nuvoton NCT5523D 1x RS-232/422/485(Jumperless selection) 1x RS232, 2x SATA II
USB	1 port on board (USB 3.0) 1 port on board 2 ports via pin header (USB 2.0)
Audio	Intel® Atom™ SoC built-in HD Audio controller + Realtek ALC269QHD codec w/ class-D speaker amplifier
Others	Digital I/O, +12V DC-In, iSMART 3.1 Wide temperature support

Features

- Onboard Intel® Atom™ E3825 DC /E3815 SC SoC, 1.33/1.46GHz
- 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 3.1
- 4x USB 2.0, 1x USB 3.0, 2x COM, 2x SATA II,
- 3x Mini PCI-E slots (2x Full-size, 1x Half size)
- Wide operating temperature support

Mechanical and Environmental

Dimensions	102mm x 147mm (4" x 5.8")
Max. Power Requirement	TBD
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	3.5", Intel® Atom™ E3825 (1.33GHz), PCI-E GbE LAN, CRT, DisplayPort & LVDS (24-bit LVDS dual channel), mSATA, iSMART, wide temperature support
IB898-I15	3.5", Intel® Atom™ E3815 (1.46GHz), PCI-E GbE LAN, CRT, DisplayPort & LVDS (24-bit LVDS dual channel), mSATA, iSMART 3.1, wide temperature support
HSIB898-BGA-A	Heatsink for IB898
HSIB898-BGA-1	Heat spreader for IB898

Dimensions and Drawing

