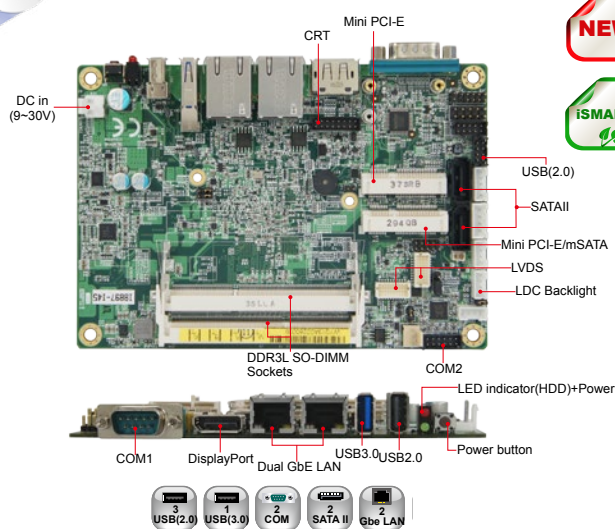




IB897

Intel® Atom™ E3845/E3827 SoC 3.5-inch Disk Size SBC

Intel® Atom™-Based



Features

- On board Intel® Atom™ E3845/E3827 SoC, 1.91/1.75GHz
- 2x DDR3L-1333 SO-DIMM, Max. 8GB
- Supports VGA, DisplayPort and 24 bit dual channel LVDS
- 2x Intel® I210IT PCI-E Gigabit LAN
- Watchdog timer, Digital I/O, mSATA, iSAMRT
- 3x USB2.0, 1x USB3.0, 2x COM, 2x SATA II, 1x Micro SD slot
- 2x Mini PCI-E slots (1x Full-sized, 1x Half sized)
- Wide temperature supports

System

CPU	Intel® Atom™ QC E3845 (1.91GHz, 2MB cache) Intel® Atom™ DC E3827 (1.75GHz, 1MB cache)
System Memory	2x DDR3L-1333 SO-DIMM, Max 8GB (Non-ECC)
System Chipset	Integrated in Intel® Atom™ SoC
BIOS	AMI BIOS
Watchdog Timer	256 levels
SSD	1x mSATA
H/W Monitor	Yes
Expansion Slots	2x Mini PCI-E (1 x full-sized, 1 x half-sized)

Graphics

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

LAN

Controller	2x Intel® I210IT PCI-E Gigabit LAN
Connector	2x 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	1x port on board (USB3.0) 1x port on board, 2x ports for Pin header (USB2.0)
Audio	Intel® Atom™ SoC built-in HD Audio controller + Realtek ALC269QHD Codec w/class-D speaker amplifier
Others	Digital I/O, +9V~ +30V DC-In, iSMART, Wide temperature

Mechanical and Environmental

Dimensions	102mm x 147mm (4" x 5.8")
Max. Power Requirement	TBD
Operating Temperature	-40°C~85°C
Storage Temperature	--40°C~110°C
Relative Humidity	10%~90% (non-condensing)

Ordering Information

IB897-I45	3.5", Intel® Atom™ E3845(1.91GHz), dual PCI-E GbE LAN, CRT, DisplayPort & LVDS(24-bit LVDS dual channel), mSATA, iSMART, Wide Temp. support
IB897-I27	3.5", Intel® Atom™ E3827(1.75GHz), dual PCI-E GbE LAN, CRT, DisplayPort & LVDS(24-bit LVDS dual channel), mSATA, iSMART, Wide Temp. support
HSIB897-BGA	Heatsink for IB897