



Features

- Onboard Intel® Atom™ D2550 / N2600 Processor
- 1x DDR3 SO-DIMM, Max. 4GB
- Supports DVI-I and 24-bit dual channel LVDS
- iSMART - auto-scheduler and power resume
- EuP/ErP power saving
- 2x Intel® 82583V PCI-E Gigabit LAN
- Watchdog timer, Digital I/O, mSATA
- 6x USB, 4x COM, 2x SATA II
- 2x Mini PCI-E slots



System

CPU	Intel® Atom™ Processor D2550 (1.86GHz, 1MB cache) Intel® Atom™ Processor N2600 (1.6GHz, 1MB cache)
System Memory	1x DDR3 SO-DIMM, Max. 4GB (Non-ECC) for IB895 / 2GB (Non-ECC) for IB895N
System Chipset	Intel® CG82NM10 PCH
BIOS	AMI
Watchdog Timer	256 levels
SSD	mSATA (Thru full-size Mini PCI-E)
H/W Monitor	Yes
Expansion Slots	2x Mini PCI-E (1x half-size, 1x full-size)

Graphics

VGA Controller	Intel® Atom™ Processor D2550 / N2600 integrated
VGA Memory	Max. shared memory – 224MB
Display Interface	Supports DVI-I and 24-bit dual channel LVDS

LAN

Controller	2x Intel® 82583V PCI-E Gigabit LAN
Connector	2x RJ-45 on board

Multi I/O

I/O Chipset	Nuvoton NCT6627UD 1x KB, 1x Mouse, 3x RS232, 1x RS-232/422/485(jumperless selection), 2x SATA II
USB	2 ports on board Pin headers for 4 ports (USB 2.0)
Audio	Intel® NM10 built-in audio controller w/ Realtek ALC269QHD Codec w/ class-D speaker amplifier
Others	Digital I/O, +12V~+24V DC In, iSMART

Mechanical and Environmental

Dimensions	102mm x 147mm (4" x 5.8")
Max. Power Requirement	Intel® Atom-D2550 1.86GHz 2GB DDR3-1333 + 12V: 1.64A
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

IB895	Intel® Atom™ D2550 1.86GHz 3.5-inch Disk Size SBC w/ VGA, DVI & LVDS (24-bit dual channel, dual PCI-E Gigabit LAN, mSATA, iSMART, EuP/ErP compliant)
IB895N	Intel® Atom™ N2600 1.6GHz 3.5-inch Disk Size SBC w/ VGA, DVI & LVDS (24-bit dual channel, dual PCI-E Gigabit LAN, mSATA, iSMART, EuP/ErP compliant)
HSIB895-BGA	Heatsink for IB895
HSIB895-BGA-2	Heat spreader for IB895
IB68	Cable kit for IB895 series, w/ USB, COM, power, SATA + power

Dimensions and Drawing

