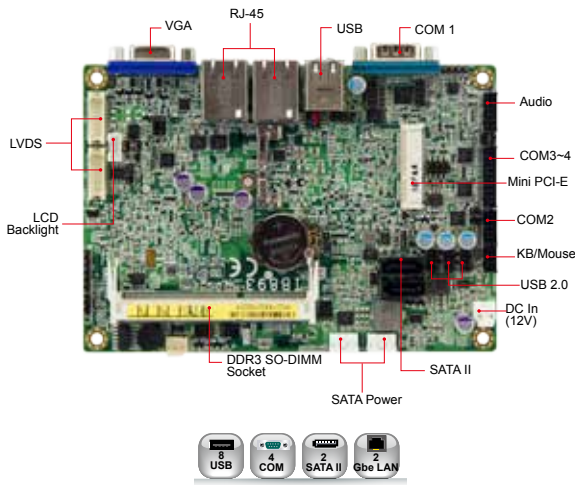


# IB893

Intel® Atom™ D525 3.5-inch Disk Size SBC  
w/ Intel® ICH8M Chipset



## Features

- Onboard Intel® Atom™ D525 DC Processor, 1.8GHz
- 1x DDR3 SO-DIMM, Max. 4GB
- Supports CRT and LVDS
- 2x Realtek RTL-8111G-CG Gigabit LAN
- Watchdog timer, Digital I/O
- 8x USB, 4x COM, 2x SATA II



## Specifications

CPU	Intel® Atom™ D525 Processor (1.8GHz, 1MB cache)
System Memory	1x DDR3 SO-DIMM, Max. 4GB (Non-ECC)
System Chipset	Intel® 82801HBM I/O controller (ICH8M)
BIOS	AMI
Watchdog Timer	256 levels
SSD	N/A
H/W Monitor	Yes
Expansion Slots	1x Mini PCI-E
VGA Controller	Intel® Atom™ D525 Processor integrated GMA3150 graphics
VGA Memory	Max. shared memory - 224MB
Display Interface	Support CRT and 24-bit dual channel LVDS
LAN Controller	2x Realtek RTL-8111G-CG PCI-E Gigabit LAN
Connector	2x RJ-45 on board
I/O Chipset	Nuvoton NCT6627UD 3x RS232 1x RS-232/422/485(jumperless selection), 2x SATA II, 1x KB, 1x Mouse
USB	2x ports on board Pin headers for 6 ports (USB 2.0)
Audio	Intel® ICH8M built-in audio controller w/ Realtek ALC662-VD codec for 5.1CH
Others	Digital I/O, +12V DC In
Dimensions	102mm x 147mm (4" x 5.8")
Max. Power Requirement	Intel® Atom™ D525 1.80 GHz w/ 1x 2GB DDR3-1333 +5V: 0.23 A +12V: 2.38 A
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

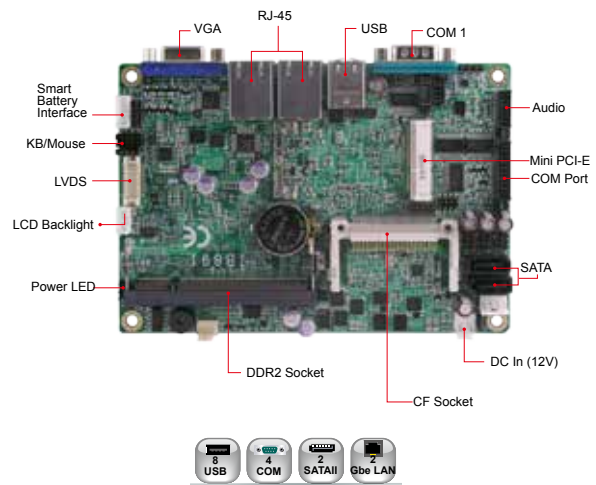
IB893	Intel® Atom™ D525 1.8GHz Processor 3.5-inch Disk Size SBC w/ VGA & LVDS (24-bit dual channel), dual PCI-E Gigabit LAN
HSIB893-BGA	Heatsink for IB893

# 3.5" Disk-Size SBC

**iBASE**

# IB891

Intel® Atom™ N450/ D510 3.5" Disk-Size SBC  
w/ Intel® ICH8M Chipset



## Features

- Onboard Intel® Atom™ N450 SC/D510 DC processor, 1.66 GHz
- 1x DDR2 SO-DIMM, Max. 2GB
- Supports VGA and LVDS (18-bit single channel)
- 2x Realtek 8111DL PCI-E Gigabit LAN
- Watchdog timer, Digital I/O
- 8x USB, 4x COM, 2x SATA



## Specifications

CPU	Intel® Atom™ Processor N450 SC (1.66GHz, 512K cache) Intel® Atom™ Processor D510 DC (1.66GHz, 1MB cache)
System Memory	1x DDR2 SO-DIMM, Max. 2GB (Non-ECC)
System Chipset	Intel® 82801HM I/O controller (ICH8M)
BIOS	AMI
Watchdog Timer	256 levels
SSD	Type II CF socket (Master only)
H/W Monitor	Yes
Expansion Slots	1x Mini PCI-E
VGA Controller	Intel® N450/D510 Integrated GMA3150 graphics
VGA Memory	Max. shared memory - 224MB
Display Interface	Supports VGA & 18-bit single channel LVDS
LAN Controller	2x Realtek 8111DL PCI-E Gigabit LAN
Connector	2x RJ-45 on board
I/O Chipset	Winbond W83627UHG 1x KB, 1x mouse, 1x LPC 3x RS232, 1x RS-232/422/485 2x SATA
USB	2 ports on board Pin header for 6 ports (USB 2.0)
Audio	Intel® ICH8M built-in audio controller w/ Realtek ALC662 codec for 5.1 CH
Others	Digital I/O, +12V DC In, 1x smart battery
Dimensions	102mm x 147mm (4" x 5.8")
Max. Power Requirement	Intel® Atom™ N450 1.66GHz w/ 2GB DDR2-800 +12V : 1.93A
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

IB891	Intel® Atom™ N450 1.66GHz SC processor 3.5-inch Disk Size SBC w/ CPU cooler, VGA and dual PCI-E Gigabit LAN
IB891-D5	Intel® Atom™ D510 1.66GHz DC processor 3.5-inch Disk Size SBC w/ VGA and dual PCI-E Gigabit LAN
IB60	Cable kit for IB891 series, w/ USB, COM, SATA and power cable
HSIB891-BGA	Heatsink for IB891 only