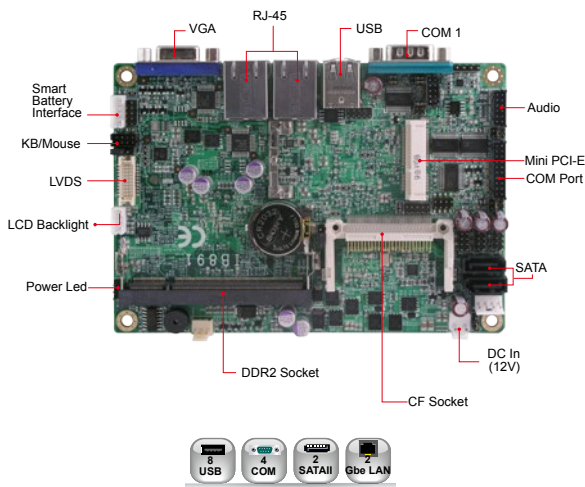


# IB891

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

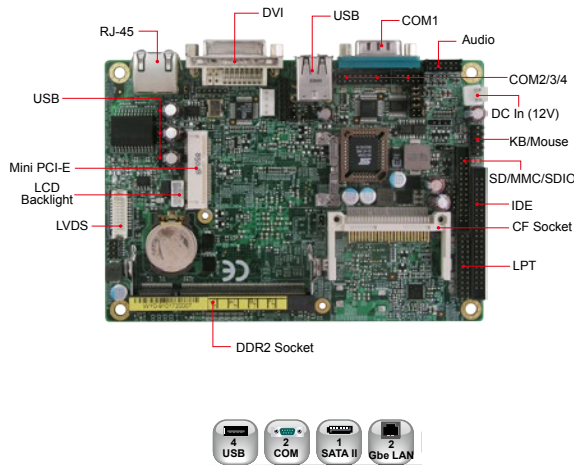
CPU	Intel® Atom™ Processor N450 SC (1.66GHz, 512K cache) Intel® Atom™ Processor D510 DC (1.66GHz, 1MB cache)
System Memory	1x DDR2 SO-DIMM, Max. 2GB (Non-ECC)
System Chipset	Intel® 82801HM I/O controller (ICH8M)
BIOS	AMI
Watchdog Timer	256 levels
SSD	Type II CF socket (Master only)
H/W Monitor	Yes
Expansion 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	10%~90% (non-condensing)

## 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
CSB100-891	Steel chassis for IB891 3.5" SBC, 2.5" 160GB SATA HDD, 60W power adaptor

# IB888

Intel® Atom™ Z510P / Z510PT / Z520PT / Z530P 3.5" Disk-Size w/ Intel® SCH US15WP Chipset



## Features

- Onboard Intel® Atom™ Z510P / Z510PT / Z520PT / Z530P processors 1.1GHz~1.6GHz, 400/533MHz FSB
- 1x DDR2 SO-DIMM, Max. 2GB
- Supports DVI and LVDS (24-bit single channel)
- Realtek 8111C PCI-E Gigabit LAN
- Watchdog timer
- 1x IDE, 8x USB 2.0, 4x COM, SD/MMC/SDIO



## Specifications

CPU	Intel® Atom™ Silverthorne XL series , 1.1GHz~1.6GHz
System Memory	1x DDR2 SO-DIMM, Max. 2GB
System Chipset	Intel® SCH US15WP(T)
BIOS	Award
Watchdog Timer	256 levels
H/W Monitor	Yes
Expansion Slots	1x Mini PCI-E
VGA Controller	Integrated 2D/3D graphics
VGA Memory	N/A
Display Interface	Supports DVI & 24-bit single channel LVDS
LAN Controller	Realtek 8111C Gigabit LAN
Connector	RJ-45 on board
I/O Chipset	Winbond W83627EHG + Fintek 81216AD 1x IDE, 1x KB, 1x mouse 3x RS232, 1x RS-232/422/485
USB	2 ports on board Pin header for 6 ports (USB 2.0)
Audio	Intel® SCH US15W built-in audio w/ Realtek ALC662 codec for 5.1CH
Others	Digital I/O (4 in, 4 out), +12V DC-in
Dimensions	102mm x 147mm (4" x 5.8")
Max. Power Requirement	Intel® Atom™ Z530P 1.6GHz w/ 1GB DDR2-667 +12V:1.25A
Operating Temperature	0°C~60°C (32°F~140°F) -20°C~70°C (-4°F~158°F) - Wide Temp. support for IB888-11T and IB888-13T
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90% (non-condensing)

## Ordering Information

IB888-11 / IB888-11AT*	Intel® Atom™ Z510P 1.1GHz SCH US15WP on board, 3.5-inch Disk Size SBC w/ Gigabit LAN, DVI
IB81T / IB888-11AT*	Intel® Atom™ Z510PT 1.1GHz SCH US15WPT on board, 3.5-inch Disk Size SBC w/ Gigabit LAN, DVI, Wide Temp. support (-20°C~70°C)
IB888-13T / IB888-13AT*	Intel® Atom™ Z520PT 1.33GHz SCH US15WPT on board, 3.5-inch Disk Size SBC w/ Gigabit LAN, DVI, Wide Temp. support (-20°C~70°C)
IB888-16 / IB888-16AT*	Intel® Atom™ Z530P 1.6GHz SCH US15WP on board, 3.5-inch Disk Size SBC w/ Gigabit LAN, DVI
IB54	Cable kit for IB888 series, w/ IDE, PS/2, USB, COM, audio, printer and power cable
HSIB888-BGA	Heatsink/ for IB888 BGA
CSB200-88811M	Fanless chassis with IB888-11-ASB 3.5-inch SBC, w/ external CF card slot, 60W power adaptor

\* Remarks: AT means with AT mode support.

Remarks: 1. Specifications are subject to change without prior notice.  
2. ODM/OEM is available.  
3. For user's manual & datasheet download, visit [www.ibase.com.tw](http://www.ibase.com.tw).