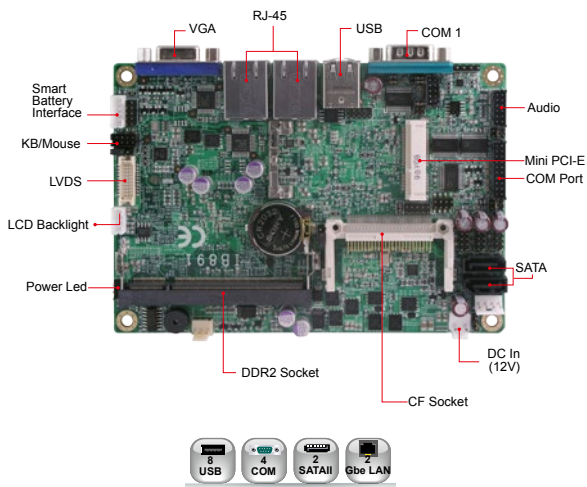


IB891

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

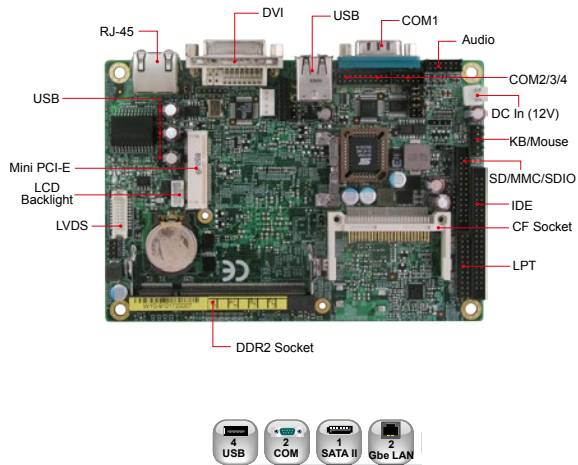
| | |
|------------------------|---|
| CPU | Intel® Atom™ Processor N450 SC (1.66GHz, 512K cache) Intel® Atom™ Processor D510 DC (1.66GHz, 1MB cache) |
| System Memory | 1x DDR2 SO-DIMM, Max. 2GB (Non-ECC) |
| System Chipset | Intel® 82801HM I/O controller (ICH8M) |
| BIOS | AMI |
| Watchdog Timer | 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.