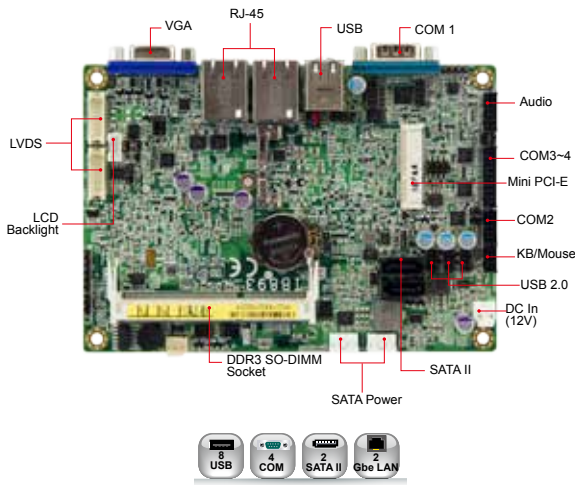


IB893

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

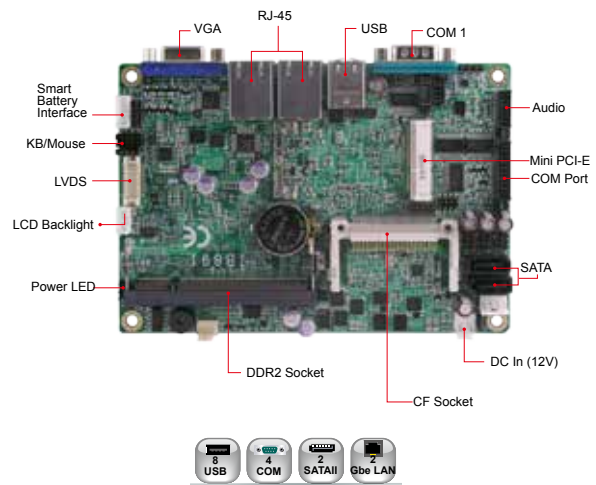
| | |
|-------------|---|
| IB893 | Intel® Atom™ D525 1.8GHz Processor 3.5-inch Disk Size SBC w/ VGA & LVDS (24-bit dual channel), dual PCI-E Gigabit LAN |
| HSIB893-BGA | Heatsink for IB893 |

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 |