

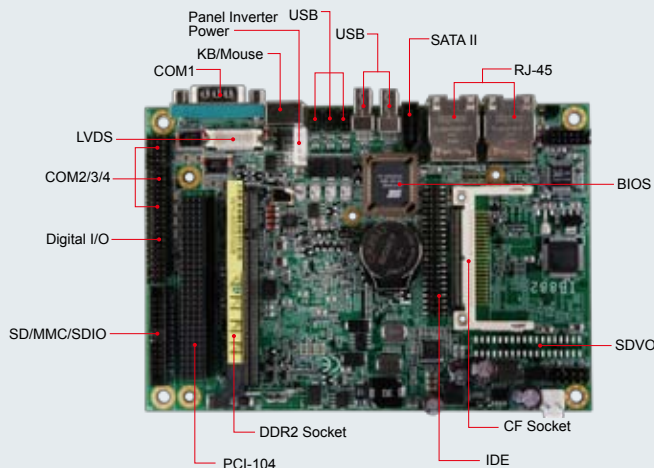
# Disk-Size SBCs

Intel® Atom™-Based

3.5" SBC

Intel® Atom™ Z500 3.5-inch Disk Size SBC w/ Intel® SCH US15W Chipset

## IB882



### Features

- Onboard Intel® Atom™ Processor Z500 series, 400/533MHz FSB, Hyper-Threading Technology
- 1x DDR2 SO-DIMM, Max. 1GB
- Integrated dual Gigabit LAN
- Supports CRT (via SDVO) and 24-bit LVDS
- 4x COM, 8x USB, 1x SATA II
- SD/SDIO/MMC, CF socket, PCI-104 socket

### System

CPU	Intel® Atom™ Processor Z510/Z530, 1.1GHz/1.6GHz
System Memory	1x DDR2 SO-DIMM, 400/533MHz, Max. 1GB
System Chipset	Intel® SCH US15W
BIOS	Award
Watchdog Timer	256 levels
SSD	Type II CF socket
H/W Monitor	Yes
Expansion Slots	1x PCI-104

### Graphics

VGA Controller	Via ID398 daughter board
VGA Memory	N/A
Display Interface	Supports 24-bit single channel LVDS

### Ethernet

Controller	2x Intel® 82574L PCI-E Gigabit LAN
Connector	RJ-45 on board

### Multi I/O

Chipset	Winbond W83627EHG + Fintek 81216G 1x IDE, 1x KB, 1x mouse, 3x RS232, 1x RS-232/422/485, 1x SATA II
USB	2 ports on board Pin header for 6 ports (USB 2.0)
SATA II	Pin header for 1 port (3.0Gb/sec)
Audio	Intel® SCH US15W built-in audio w/ Realtek codec for 5.1CH

### Mechanical and Environmental

Dimensions	102mm x 147mm (4" x 5.8")
Max. Power Requirement	Intel® Atom™ Z530 1.6GHz w/ 1GB DDR2-533 +12V: 1.55A
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

IB882-11	Intel® Atom™ Z510 1.1GHz SCH US15W 3.5-inch Disk Size SBC w/ dual Gigabit LAN and ID398 VGA
IB882-16	Intel® Atom™ Z530 1.6GHz SCH US15W 3.5-inch Disk Size SBC w/ dual Gigabit LAN and ID398 VGA
IB46	Cable kit for IB882 series, w/ IDE, COM, PS/2, printer, USB, audio, power cable and SATA
HSIB882-BGA	Heatsink for IB882 BGA
ASB200-88211M	Aluminum chassis with IB882-11 3.5" SBC, Intel® Atom™ Z510 (1.1GHz) CPU, 2.5" HDD holder, ID398 VGA Board, 60W power adaptor
ASB200-88216M	Aluminum chassis with IB882-16 3.5" SBC, Intel® Atom™ Z530 (1.6GHz) CPU, 2.5" HDD holder, ID398 VGA Board, 60W power adaptor



#### Remarks:

1. For optional daughter boards and riser cards, please refer to page 19-20.
2. Specifications are subject to change without prior notice.

