

IB882

Intel® Atom-based 3.5-inch Disk-Size SBC



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IB882 FEATURES

- Embedded Intel® Atom processor Z510/Z530
- Intel® SCH US15W chipset
- 1x DDR2 SO-DIMM, Max. 1GB
- Two Intel® 82574L Gigabit LAN
- Supports PCI104 expansion interface
- Supports optional CRT VGA via SDVO port
- 8x USB, 4x COM, 1x SATA, SD/SDIO/MMC interface

IB882 SPECIFICATIONS

CPU

Intel® Atom™, Z510/Z530
Ultra Low Voltage, 2.7Watts
C0-C6 low power states
Hyper-Threading Technology support

CPU Speed

1.1GHz / 1.6GHz

Chipset

Intel® SCH US15W chipset
1249-pin BGA

Processor Side Bus Frequency

400/533 MHz

L2 Cache

512KB On-die L2 Cache

BIOS

Award BIOS, ACPI supported

System Memory

One DDR2 SODIMM socket, single channel
Supports up to 1GB DDR 400/533 SDRAM

VGA

Via SDVO to support CRT w/ DB15 connector & 24 bits-Single channels LVDS interface

LAN

Two Intel® 82574L Gigabit LAN

Audio

Chipset built-in Audio controller
ALC 888 AC97 Codec
Supports 5.1-Channel (Line-in, Line-out & Microphone)

LPC I/O

Winbond 83627EHG
4x COM, LPT, IrDA, hardware monitor

IDE Interface

One channel; supports Ultra DMA 33/66/100
44-pin header x 1 (IDE1)

Serial Ports

One RS-232/422/485 and three RS-232 ports

Watchdog Timer

Generates system reset; 256 levels

Digital I/O

4 in / 4 out

USB

Supports 8x USB 2.0 ports

IrDA

Pin header

Keyboard and Mouse Connector

PS/2 type

Expansion Slots

PCI-104 socket

Edge Connectors

PS/2 KB/Mouse, CRT VGA (option),
COM1, RJ45, USB1/2

Onboard Headers

DF13 for LVDS, 4x USB, IDE2, audio,
COM2, SD/SDIO/MMC

Power Connector

DC Power jack +12V DC-in

Form Factor

3.5-inch SBC

Dimensions

102mm x 147mm (4" x 5.8")

Operating Temperature

0°C~60°C (32°F~140°F)

Storage Temperature

-20°C~80°C (68°F~176°F)

Relative Humidity

10%~90% (non-condensing)