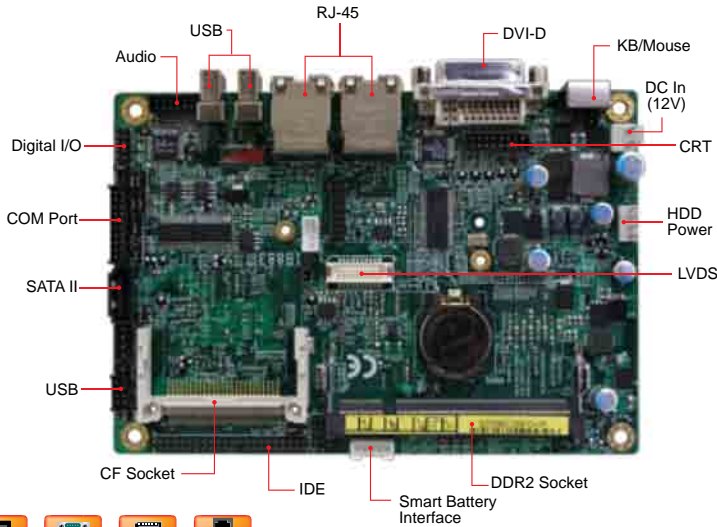




Intel® Atom™-Based

Intel® Atom™ N270 3.5-inch Disk Size SBC with Intel® 945GSE Chipset

IB883 NEW



Features

- Onboard Intel® Atom™ Processor N270, 1.6GHz, 533MHz FSB
- 1x DDR2 SO-DIMM, Max. 1GB
- Intel® 945GSE VGA for CRT / LVDS
- Onboard Chrontel CH7307 for DVI
- 2x Intel® PCI-E Gigabit LAN
- Watchdog timer, Digital I/O
- 1x SATA II, 4x USB 2.0, 2x COM, CF Socket

System

CPU	Intel® Atom™ Processor N270, 1.6GHz
System Memory	1x DDR2 SO-DIMM, 400/533MHz, Max. 1GB
System Chipset	Intel® 945GSE + ICH7M, 533MHz FSB
BIOS	Award
Watchdog Timer	256 levels
SSD	Type II CF Socket
H/W Monitor	Yes
Expansion Slot	LPC I/O interface for optional COM3~COM6

Graphics

VGA Controller	Intel® 945GSE integrated GMA950
VGA Memory	Supports DVMT 4.0; Max. shared memory - 224MB
Display Interface	Supports CRT VGA & 18-bit single channel LVDS, Chrontel CH7307 on board for DVI port

Ethernet

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

Multi I/O

Chipset	ICH7M, Winbond W83627EHG 1x IDE, 1x KB, 1x Mouse, 1x RS232, 1x RS-232/422/485, 1x SATA II
USB	2 ports on board Pin header for 2 ports (USB 2.0)
Audio	Built-in Intel® HD Audio + ALC662 Codec for 6 channels
Others	Digital I/O, +12V DC In

Mechanical and Environmental

Dimensions	102mm x 147mm (4" x 5.8")
Max. Power Requirement	Intel® Atom™ N270 1.6GHz w/ 512MB DDR2-533 +12V: 1.45A
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

IB883	Intel® Atom™ N270 945GSE 3.5-inch Disk Size SBC w/ VGA and dual PCI-E Gigabit LAN
IB47	Cable kit for IB883 series, w/ IDE, PS/2, audio, USB, VGA, COM, power cable and SATA
HSIB883-BGA	Heatsink for IB883 BGA
ID394-R	LPC I/F 4x COM board (see page 25)
ASB200-883	Aluminum System with IB883 3.5" SBC Board, Intel® Atom™ N270 (1.6GHz) CPU, 1GB DDR2, 2.5" 80GB HDD, 80W Power Adaptor
CSB100-883	Steel System with IB883 3.5" SBC Board, Intel® Atom™ N270 (1.6GHz) CPU, 1GB DDR2, 2.5" 80GB HDD, 80W Power Adaptor



Remarks:
* Specifications are subject to change without prior notice.

- 1 Motherboards
- 2 Disk-Size SBCs
- 3 CPU Modules
- 4 PC/I/O Plus
- 5 CPU Cards
- 6 AGP & MicroAGP
- 7 Embedded Systems
- 8 Network Security Appliance