

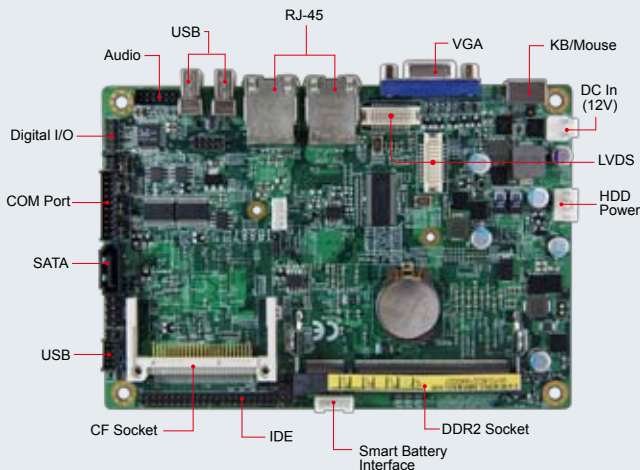
# Disk-Size SBCs

Intel® Atom™ -Based

3.5" SBC

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

## IB887



### Features

- Onboard Intel® Atom™ Processor N270, 1.6GHz, 533MHz FSB
- 1x DDR2 SO-DIMM, Max. 2GB
- Intel® 945GSE VGA for CRT / LVDS
- 2x Intel® PCI-E Gigabit LAN
- Watchdog timer, Digital I/O
- 1x SATA, 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. 2GB
System Chipset	Intel® 945GSE + ICH7M, 533MHz FSB
BIOS	Award
Watchdog Timer	256 levels
SSD	Type II CF socket
H/W Monitor	Yes
Expansion Slots	N/A

### Graphics

VGA Controller	Intel® 945GSE integrated GMA950
VGA Memory	Supports DVM T 4.0; Max. shared memory - 224MB
Display Interface	Supports CRT VGA & 24-bit dual channel LVDS

### 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
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: 2.03A
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

IB887	Intel® Atom™ N270 945GSE 3.5-inch Disk Size SBC w/ VGA and dual PCI-E Gigabit LAN
IB47A	Cable kit for IB887 series, w/ IDE, PS/2, audio, USB, COM, power cable and SATA
HSIB883-BGA1-4	Heatsink for IB883/IB887 BGA
ASB200-887M	Aluminum Chassis for IB887 3.5" SBC, Intel® Atom™ N270(1.6GHz) CPU, 2.5" HDD holder, 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.

