

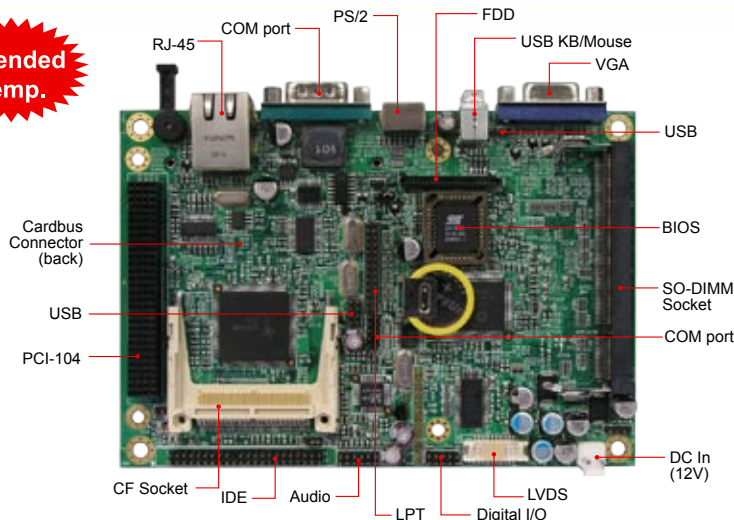
# Disk-Size SBCs

## IB520

3.5" SBC

AMD Geode LX 3.5" Disk-Size SBC w/ AMD CS5536 Chipset

AMD Geode LX Based



### System

CPU	AMD Geode LX (LX800 @500MHz, LX700 @433MHz)
System Memory	1x DDR SO-DIMM, Max. 1GB
System Chipset	AMD CS5536 chipset
BIOS	Award
Watchdog Timer	256 levels
SSD	CF socket, Type II
H/W Monitor	Yes
Expansion Slot	1x PCI-104, optional PCMCIA connector

### Graphics

VGA Controller	LX800/LX700 built-in 2D graphics controller Supports CRT and TFT LCD display
VGA Memory	Shared memory Max. 64MB
LCD Interface	DF13-20 pin header for LVDS support 44-pin pin header for TFT LCD panel

### LAN

Controller	Realtek RTL8100C, 10/100Mbps
Connector	RJ-45 on board

### Multi I/O

I/O Chipset	AMD CS5536 + Winbond 83627HG 1x IDE (UDMA33/66/100), 2x RS-232, 1x FDD, 1x LPT, 1x KB, 1x Mouse
USB	1 port on board; Pin header for 3 ports (USB 2.0)
Audio	Built-in audio + AC97 codec
Others	IrDA, Digital I/O (4-in/4-out), +12V DC-in, PCI Arbiter

### Features

- Embedded AMD Geode LX processor, 433MHz (LX700)/500MHz (LX800)
- 1x DDR SO-DIMM, Max. 1 GB
- Realtek RTL8100C 10/100BaseT LAN
- Integrated LX800/LX700 2D VGA controller, supports CRT and TFT LCD display
- 4x USB 2.0, 2x COM, CF socket, Watchdog timer, Digital I/O
- 1x PCI-104, optional PCMCIA connector

### Mechanical and Environmental

Dimensions	145mm x 102mm (5.7" x 4")
Max. Power Requirement	AMD Geode LX800 500MHz w/ 512MB DDR +12V: 0.89A
Operating Temperature	-20°C~70°C (-4°F~158°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90% (non-condensing)

### Ordering Information

IB520-R	AMD Geode LX700, 433MHz, 3.5-inch SBC w/ audio, VGA and 10/100 LAN
IB520F-R	AMD Geode LX800, 500MHz, 3.5-inch SBC w/ audio, VGA, 10/100 LAN, PCMCIA
IB37A	Cable kit for IB520 series
CSB100-520	Chassis for IB520 3.5" SBC (see page 108)

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

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