



Industrial Half-Size PCI Bus SBC supports Intel Atom Processors, integrated 2D/3D graphics, LVDS interface, Gigabit LAN



Features

- Supports Intel Atom Processor
- Dual Gigabit Ethernet supported
- (6) COM and (6) USB 2.0 ports
- (2) Mini PCIe & CompactFlash socket
- Onboard VGA & LVDS Interfaces

CPU

- Onboard Intel Atom Processor
- N450 for 1.66GHz (fanless)
- D525 for Dual Core 1.80GHz

Chipset

- Intel ICH8M

System Memory

- (1) 200-pin SO-DIMM supports DDR2 667 up to 4GB (N450 for Max. 2GB)

Display Interface

- Integrated Intel GMA 3150 Graphics
- Up to 384MB frame buffer size shared with system memory
- Onboard 18-bit LVDS interface

Audio

- Intel ICH8M integrated AC97 audio

Ethernet

- Dual Gigabit Ethernet controllers

I/O Interface

- (1) 44-pin IDE, (1) IrDA, (1) LPT
- (3) SATA ports with 300MBps transfer speed
- (5) RS232 & (1) RS232/422/485 serial ports
- (1) PS/2 keyboard / mouse port
- (6) USB 2.0 ports
- 8-bit digital I/O interface
- 1 x CompactFlash Type II socket

Onboard Expansion

- Dual Gigabit Ethernet controllers

Environment Spec

- 0 ~ 60°C operation temperature
- Operation humidity under 10 % ~ 95 % relative humidity, non-condensing

Dimension

- 185 x 122mm

Ordering Information

SBH-4220A2GNL-N450	Half size SBC with Intel Atom N450, LVDS, Dual Gigabit LAN, Audio
SBH-4220A2GNL-D525	With onboard Intel Atom D525 CPU