

# HS-4708

Intel® Atom™ N270 processor Embedded Engine Board w/CF, Mini PCI, Mini PCIe, DVI-I/CRT/LVDS, Dual Gigabit Ethernet, Audio, 6 COM, 6 USB, Battery Support

5.25" Embedded



## Features

- » Intel® Atom™ N270 processor
- » 1 x SO-DIMM up to 2GB DDR2 SDRAM
- » Intel® 945GSE/ICH7-M system chipset
- » 18-bit/24-bit dual-channel LVDS
- » Touch screen controller
- » Dual Gigabit Ethernet
- » ALC202A Codec
- » COM port voltage output
- » Hardware Monitor function
- » +12V~24V DC IN
- » Option for 5000mA/H Battery support
- » Option for DVI-I display

## System

- CPU**  
Intel® Atom™ N270 processor 1.6GHz
- FSB**  
533MHz FSB
- BIOS**  
Award PnP Flash BIOS
- System Chipset**  
Intel® 945GSE/ICH7-M
- I/O Chipset**  
Winbond W83627EHG
- System Memory**  
1 x 200-pin SO-DIMM, DDR2 533MHz, Max. 2GB
- Storage**  
1 x Type II CF socket
- Expansion Interface**  
2 x Type III mini PCI socket  
1 x mini PCIe socket  
1 x PCI slot
- GPIO**  
8-bit general purpose input/output port
- Watchdog Timer**  
Software programmable time-out intervals from 1~255 sec. or 1~255 min.
- H/W Status Monitor**  
Monitoring temperatures, voltages, and cooling fan status
- Power Function**  
+12V~24V DC IN  
AT/ATX power mode support  
5000mA/H Battery support (option)
- Operating Temperature**  
0~60 degrees C
- Operating Humidity**  
0~95%, non-condensing
- Board Size (LxW)**  
203 x 146 mm

## I/O Interface

- I/O Port**  
5 x RS-232 (COM3/COM4 with +5V/+12V output)  
1 x RS-232/422/485  
6 x USB2.0  
1 x IDE  
2 x SATA  
1 x Parallel  
1 x 6-pin connector for PS/2 KB/MS

## Display

- Chipset**  
Intel® 945GSE integrated Intel® GMA950
- Display Memory**  
DVMT3.0 up to 224MB video memory
- LVDS**  
18-bit single/dual-channel (HS-4708)  
24-bit single/dual-channel (HS-4708L)
- DVI**  
Chrontal CH7307 (option, only for HS-4708)
- Resolution**  
VGA Mode: 2048 x 1536 @ 75Hz
- Touch Screen Controller**  
4-wire/5-wire resistive touch screen controller

## Audio

- Chipset**  
RealTek ALC202A
- Audio Interface**  
MIC In, Line Out

## Ethernet

- Chipset**  
Dual RealTek RTL8111C Gigabit Ethernet
- Ethernet Interface**  
2 x 10-pin connector

## Ordering Information

- HS-4708**  
5.25" SBC w/Atom™ 1.6GHz CPU, CF, CRT/18-bit LVDS, Dual Gigabit Ethernet, Audio
- HS-4708L**  
5.25" SBC w/Atom™ 1.6GHz CPU, CF, CRT/24-bit LVDS, Dual Gigabit Ethernet, Audio

### Accessory Options

- DVI-I Cable, LAN Cable, IDE Cable, SATA Cable, COM Cable, USB Cable, Battery Pack