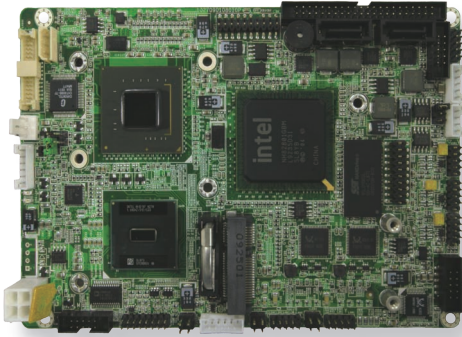




# EmCORE-i2709

Intel® Atom™ N270 3.5" Miniboard



## Features

- **Fanless Design**
- Soldered Onboard Intel® Atom™ N270 1.6GHz Processor
- Dual Channels 24-bit LVDS, TV-out, and Analog RGB
- Dual Independent Displays
- Multi-expansion (2 x SATA, 6 x USB, 1 x PATA, Max. 6 x Serial Ports, 1 x Mini PCI Socket, LPC Connector, 1 x Mini-card Slot)
- **Extended Operating Temp: -20 ~ 70°C**

## System

<b>CPU</b>	Intel® Atom™ N270 1.6GHz CPU with 533MHz FSB
<b>Memory</b>	1 x 200-pin DDR2 SO-DIMM Socket supporting 400/533MHz SDRAM up to 2GB
<b>Chipset</b>	Intel® 945GSE + ICH7M
<b>BIOS</b>	AMI PnP Flash BIOS
<b>Storage</b>	1 x Ultra ATA, support 2 IDE devices 2 x Serial ATA ports with 150MB/s HDD transfer rate Soldered onboard 2GB NANDrive

**Watchdog Timer** 1~255 levels reset

## I/O

<b>I/O Chip</b>	Winbond W83627HG
<b>Serial Port</b>	2 x COM ports (1 x RS-232 port, 1 x RS-232/422/485 selectable port)
<b>Parallel Port</b>	SPP/EPP/ECP mode
<b>USB Port</b>	6 x USB 2.0 ports
<b>KB/MS</b>	6-pin wafer connector for keyboard and mouse (PS/2 standard via Y-cable)
<b>Digital I/O</b>	8-bit programmable Digital Input/Output
<b>Expansion Bus</b>	1 x Mini-PCI socket 1 x Mini-card slot 1 x LPC (Low Pin Count) connector

## Ethernet

**Chipset** 2 x Realtek RTL8111C PCIe Gigabit Ethernet controllers

## Audio

**CODEC/Interface** Realtek ALC655 6-channel AC97 Audio CODEC, Mic-in/Line-in/Line-out

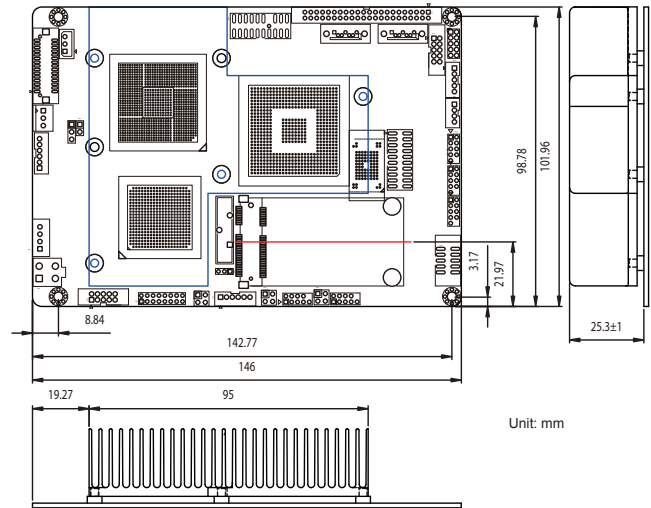
## Display

<b>Graphics Chipset</b>	Integrated Intel® Graphics Media Accelerator 950
<b>Graphics Interface</b>	Analog RGB: up to 2048 x 1536 LCD: Dual Channels 24-bit LVDS TV-out: NTSC/PAL up to 1024 x 768 Support dual independent displays

## Mechanical & Environmental

<b>Power Requirement</b>	ATX +12V input
<b>Power Consumption</b>	1.12A/12V (Max.)
<b>Operating Temp.</b>	-20 ~ 70°C (4 ~ 158°F)
<b>Operating Humidity</b>	0 ~ 90% (non-condensing)
<b>Dimension (L x W)</b>	146 x 102 mm (5.7" x 4")

## Dimensions



## Ordering Information

<b>EmCORE-i2709</b>	Intel® Atom™ N270 1.6GHz 3.5" Miniboard	
<b>FCDB-1293</b>	4 x COM ports, 8-bit digital I/O daughterboard	
<b>CBK-11-2709-00</b>	Cable kit	
	1 x Audio cable	1 x Parallel Port cable
	2 x COM port cables	2 x SATA cables
	1 x IDE cable	1 x TV-out cable
	1 x KB & MS cable	3 x USB cables
	2 x LAN cables	1 x VGA cable
	1 x LPT to FDD cable	

All specifications are subject to change without notice.