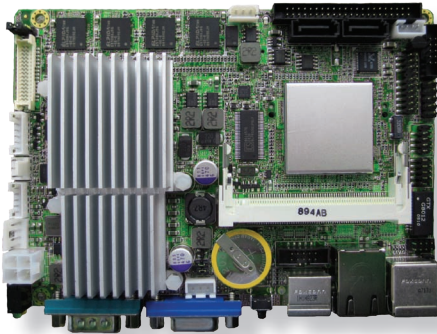




# EmCORE-i2702

Intel® Atom™ N270 3.5" Miniboard



## Features

- **Fanless Design**
- Soldered Onboard Intel Atom™ N270 1.6GHz Processor
- Dual Channels 18-bit LVDS, TV-out, and Analog RGB
- Dual Independent Displays
- Multi-expansion (2 x SATA, 4 x USB, 1 x PATA, 1 x CF Socket, 2 x Serial Ports, 1 x Mini PCI Socket)

## 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 (Optional Soldered onboard 512MB DDR2 SDRAM, upgradable to 1GB SDRAM)
<b>Chipset</b>	Intel® 945GSE + ICH7M
<b>BIOS</b>	Phoenix-Award 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 1 x CompactFlash Type II Socket

**Watchdog Timer** 1~255 levels reset

## I/O

<b>Serial Port</b>	2 x COM ports (1 x RS-232 port, 1 x RS-232/422/485 selectable)
<b>Parallel Port</b>	SPP/EPP/ECP mode
<b>USB Port</b>	4 x USB 2.0 ports
<b>KB/MS</b>	6-pin Mini-DIN connector for Keyboard and Mouse (PS/2 standard via Y-cable)
<b>Digital I/O</b>	8-bit Digital Input/Output (4-in/4-out)
<b>Expansion Bus</b>	1 x Mini PCI socket

## 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

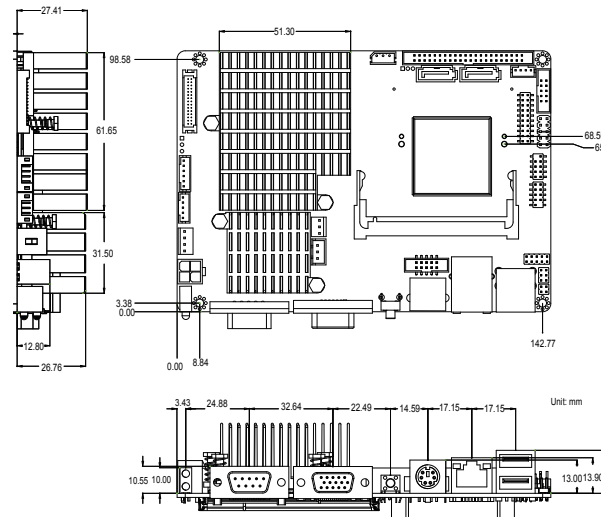
## Display

<b>Graphics Chipset</b>	Integrated Intel® Graphics Media Accelerator (GMA950)
<b>Graphics Interface</b>	Analog RGB: up to 2048 x 1536 LCD: Dual Channels 18-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>	0.94A/+12.37V
<b>Operating Temp.</b>	0 ~ 60°C (32 ~ 140°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-i2702</b>	Intel® Atom N270™ 1.6GHz 3.5" Miniboard
<b>CBK-08-2702-00</b>	Cable kit
	1 x USB cable
	1 x Ethernet cable
	1 x Audio cable
	1 x COM cable
	1 x IDE cable
	1 x LPT cable
	1 x KB/MS Y-cable
	1 x SATA cable