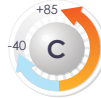
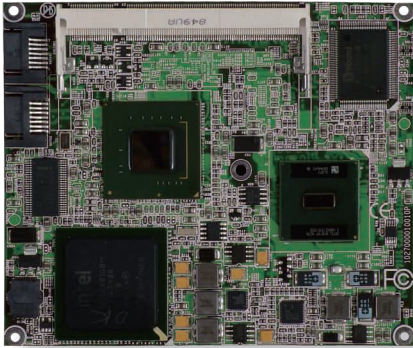




# ETX-735E

Wide Range Operating Temperature Intel® Atom™ N270 ETX® CPU Module



# ETX

## Features

- Fanless Design
- Soldered Onboard Intel® Atom™ N270 1.6GHz Processor
- Dual Channels 18-bit LVDS, and Analog RGB
- Multi-expansion (2 x SATA on CPU Module, 1 x PATA, 6 x USB, 2 x Serial Ports, 4 x PCI Masters, ISA Bus, and SDVO B Output Connector)
- Wide Range Operating Temp.: -40 ~ 85°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>	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
<b>Watchdog Timer</b>	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, 1 x RS-232/422/485 selectable via PBE-1000)
<b>Parallel Port</b>	SPP/EPP/ECP mode
<b>Floppy</b>	1 x Floppy disk drive shared with parallel port
<b>USB Port</b>	4 x USB 2.0 ports
<b>KB/MS</b>	PS/2 interface for Keyboard and Mouse (via PBE-1000)
<b>Expansion Bus</b>	PCI (4 x PCI Masters) and ISA bus

## Ethernet

<b>Chipset</b>	1 x Intel® 82562ET PCI 10/100Base-T Ethernet controller
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## Audio

<b>CODEC/Interface</b>	Realtek ALC655 6 Channel AC97 Audio CODEC, Mic-in/Line-in/Line-out
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## Display

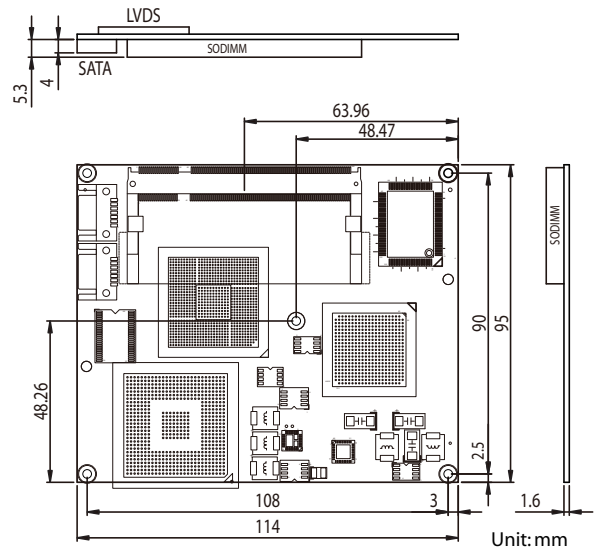
<b>Graphics Chipset</b>	Integrated Intel® Graphics Media Accelerator 950
<b>Graphics Interface</b>	Analog RGB support up to 2048 x 1536 LCD: Dual Channels 18-bit LVDS Intel® compliant SDVO port (serial DVO) 200 megapixel/sec, supports external DVI, TV and LVDS transmitter (via customized carrier board or daughterboard)

## SDVO Interface

## Mechanical & Environmental

<b>Power Consumption</b>	2.61A/4.94V, 0.01A/3.3V, 0.09A/12.18V
<b>Operating Temp.</b>	-40 ~ 85°C (-40 ~ 185°F)
<b>Operating Humidity</b>	0 ~ 90% (non-condensing)
<b>Dimension (L x W)</b>	114 x 95 mm (4.5" x 3.7")

## Dimensions



## Ordering Information

<b>ETX-735E</b>	Intel® Atom™ N270 1.6GHz ETX® CPU module
<b>HS-2700-W1</b>	Heatsink wave type (114 x 95 x 16 mm)
<b>HS-0735-F1</b>	Heat spreader (dimensions TBD)
<b>PBE-1000 R2.1</b>	ETX® evaluation board in ATX form factor <span style="float: right;">Page 1-20</span>
<b>CBK-05-1000-00</b>	Cable kit for PBE-1000 R2.1 1 x FDD cable 3 x COM port cables 1 x USB cable 2 x IDE cables 1 x TV-out cable

All specifications are subject to change without notice.