

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, SDVO B Output, LPC Connector CPU Module, 2 x PATA, 4 x USB 2.0 ports, 2 x Serial Ports, 4 x PCI Masters and ISA Bus)
- **Wide Range Operating Temp.: -40 ~ 85°C**

System

CPU	Intel® Atom™ N270 1.6GHz processor with 533MHz FSB
Memory	1 x 200-pin DDR2 SO-DIMM socket supporting 400/533MHz SDRAM up to 2GB
Chipset	Intel® 945GSE + ICH7M
BIOS	Phoenix-Award PnP Flash BIOS
Storage	2 x Ultra ATA ports, support 4 IDE devices 2 x Serial ATA ports with 150 MB/s HDD transfer rate 1 x Floppy disk port shared with parallel port
TPM 1.2	Supports Infineon SLB9635 TPM Module (optional, BTO)
Watchdog Timer	1~255 levels reset

I/O

I/O Chip	Winbond W83627HG
Serial Port	2 x COM ports (1 x RS-232, 1 x RS-232/422/485 selectable via PBE-1000)
Parallel Port	SPP/EPP/ECP mode
USB Port	4 x USB 2.0 ports
KB/MS	PS/2 interface for keyboard and mouse (via PBE-1000)
Expansion Bus	PCI (4 x PCI masters) and ISA bus LPC (Low Pin Count) Connector (optional)

Ethernet

Chipset	1 x Realtek RTL8103EL 10/100Base-T Ethernet Controller
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Audio

CODEC/Interface	Realtek ALC655 6-Channel AC97 Audio Codec, Mic-in/Line-in/Line-out
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Display

Graphics Chipset	Integrated Intel® Graphics Media Accelerator 950
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Graphics Interface	Analog RGB support up to 2048 x 1536
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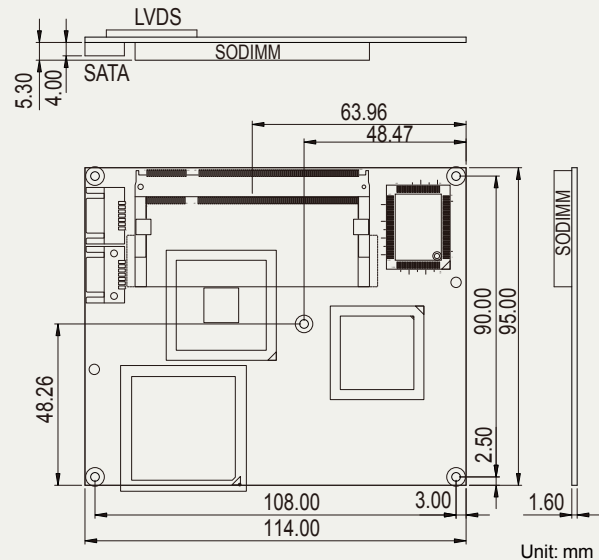
LCD: Dual Channels 18-bit LVDS

SDVO Interface	Intel® compliant SDVO B port (serial DVO) 200 megapixel/sec, supports external DVI, TV and LVDS transmitter (via customized carrier board or daughterboard)
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Mechanical & Environmental

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

Dimensions



Ordering Information

ETX-735E	Intel® Atom™ N270 1.6GHz ETX® CPU module
HS-0735-F1	Heat Spreader (114 x 95 x 18 mm)
PBE-1000 R2.1	ETX® evaluation board in ATX form factor
CBK-05-1000-00	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