



EmETX-i2700

Intel Atom™ N270 ETX CPU Module with CRT/LCD, Audio, LAN and SATA



◀ New!! ETX

Features

- Intel Atom™ N270 1.6GHz Processor Soldered Onboard
- DDRII SO-DIMM 400/533MHz up to 2GB
- Support CRT, Dual Channels 18-bit LVDS
- 2 x SATA, 4 x USB 2.0 and 2 x Serial Ports
- 4 x PCI Master and ISA Bus
- SDVO Output Connector
- Extended Operating Temp. :-20 ~ 70°C

System

CPU	Intel Atom™ N270 1.6GHz processor with 533MHz FSB
Memory	1 x 200-pin DDRII SO-DIMM 400/533MHz up to 2GB
Chipset	Intel 945GSE + ICH7M
BIOS	Phoenix-Award PnP Flash BIOS
ATA/IDE	2 x Serial ATA ports with 150MB/s HDD transfer rate 1 x Ultra ATA 100/66/33, supports 2 IDE devices
Watchdog Timer	255-level reset

I/O

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
Floppy	1 x Floppy disk drive shared with parallel port
USB Port	4 x USB 2.0 ports
KB/MS	PS/2 Keyboard and Mouse
Expansion Bus	PCI and ISA bus (4 x PCI master)

Ethernet

Chipset	1 x Intel 82562 10/100 base-T Ethernet
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Audio

Codec/Interface	Realtek ALC655 AC97 Codec, support Mic-in/Line-in/Line-out
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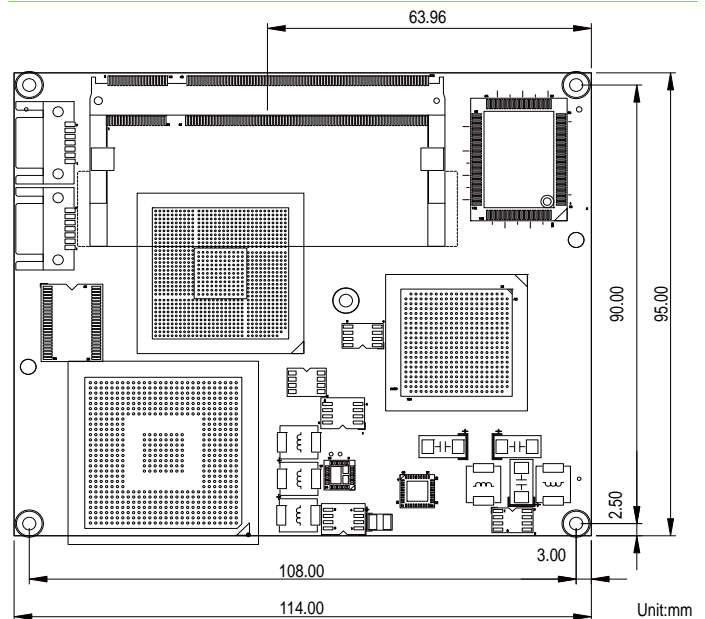
Display

Graphics Chipset	Integrated with Intel Graphics Media Accelerator (GMA950)
Graphics Interface	CRT support up to 2048 x 1536 LCD support dual channels 18-bit LVDS SDVO: 1 x Intel compliant SDVO ports (serial DVO) 200 megapixel/sec, each supports external DVI, TV and LVDS transmitter (via customized carrier board or daughterboard)

Mechanical & Environmental

Power Consumption	2.61A/4.94V, 0.01A/3.3V, 0.09A/12.18V
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	0 ~ 90% (non-condensing)
Dimensions (L x W)	114 x 95 mm (4.5" x 3.7")

Dimensions



Ordering Information

EmETX-i2700	Intel Atom™ N270 ETX CPU module with CRT/LCD, Audio, LAN
PBE-1000 R2.1	ETX evaluation board in ATX form factor Page 1-16
HS-2700-W1	Heatsink w/o fan (114 x 95 x 16 mm)
HS-2700-F1	Heat spreader w/o fan

All specifications are subject to change without notice.

Computer on Module

Embedded Mini-board

Slot Computing

Industrial Motherboard

Wide Temperature

Cable Kit / Cooling Kit / SBC Daughter board / Power Converter

Rugged Tablet PC

HMI / HMC

Box PC

Mobile DVR

Network Communication Appliance

Industrial Chassis / Backplane Power supply