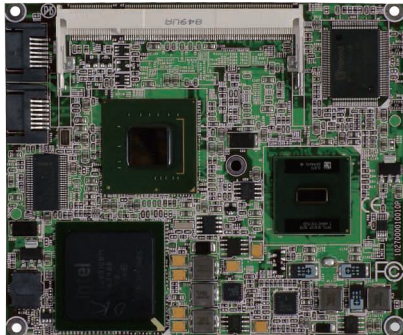




EmETX-i2700

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, SDVO B Output Connector)
- **Extended Operating Temp.: -20 ~ 70°C**

System

CPU	Intel® Atom™ N270 1.6GHz CPU 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	1 x Ultra ATA, support 2 IDE devices 2 x Serial ATA ports with 150MB/s HDD transfer rate 1 x Floppy disk drive shared with parallel port
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

Ethernet

Chipset	1 x Intel® 82562ET 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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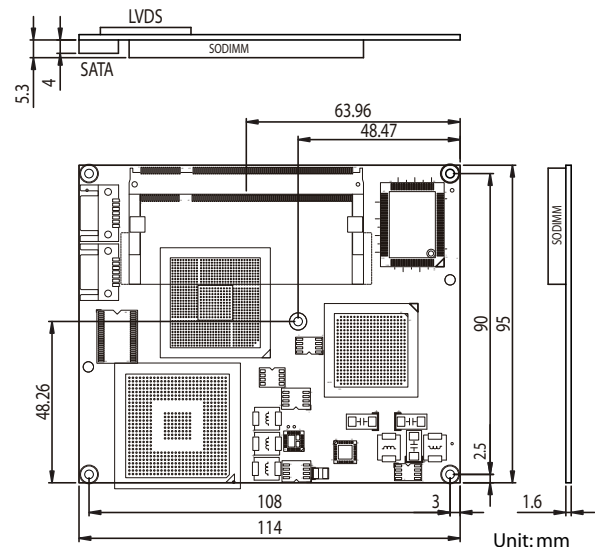
Display

Graphics Chipset	Integrated Intel® Graphics Media Accelerator 950
Graphics Interface	Analog RGB support up to 2048 x 1536 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)

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)
Dimension (L x W)	114 x 95 mm (4.5" x 3.7")

Dimensions



Ordering Information

EmETX-i2700	Intel® Atom™ N270 1.6GHz ETX® CPU module
HS-2700-W1	Heatsink wave type (114 x 95 x 16 mm)
HS-2700-F1	Heat spreader (114 x 95 x 9 mm)
PBE-1100-RG R3.1	ETX® carrier board with PC/104-Plus, Realtek 8110SCL Gigabit Ethernet controller, CF shared with IDE1 Page 1-21
PBE-1100-I R3.1	ETX® carrier board with PC/104 Plus, Intel® 82551QM 10/100Base-T Ethernet controller, CF shared with IDE1 Page 1-21
CBK-16-1100-01	Cable kit for PBE-1100 R3.1 1 x Audio cable 2 x USB cables 2 x COM port cables 1 x LPT to FDD cable 1 x IDE cable 1 x LPT cable 2 x Ethernet cables 1 x VGA cable 1 x KB & MS cable 2 x SATA cables 1 x Power cable (4 wires) 1 x Power cable (2 wires)

All specifications are subject to change without notice.

Computer on Module

Compact Board

Slot Board

Industrial Motherboard

Wide Temperature

SDC Daughterboard Power Connector Mounting Kit

Rugged Tablet PC

Medical PC

Industrial Panel PC/Monitor

Box PC

Industrial Chassis /Backplane/ Power supply