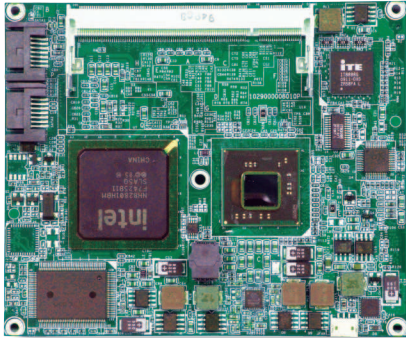


ETX-742E



ETX

Wide-Range Temperature Intel® Atom™ Processor N450 ETX® CPU Module



Features

- **Fanless Design**
- ETX® 3.0 with SATA Connectors
- Soldered onboard Intel® Atom™ Processor N450
- Single Channel 18-bit LVDS and Analog RGB
- **Wide-Range Operating Temp.: -40 ~ 85°C**

System

CPU	Soldered onboard Intel® Atom™ Processor N450 1.6GHz
Memory	1 x 200-pin DDR2 SO-DIMM Socket, supporting 667MHz SDRAM up to 2GB
Chipset	Intel® ICH8M
BIOS	AMI PnP Flash BIOS
Watchdog Timer	1~255 levels reset

I/O

I/O Chip	Winbond W83627HG
Serial Port	2 x COM ports
Parallel Port	SPP/EPP/ECP mode
USB Port	4 x USB 2.0 ports
KB/MS	PS/2 interface for keyboard and mouse
Expansion Bus	PCI (4 x PCI masters) and ISA bus
Storage	1 x Ultra ATA, supporting 2 IDE devices 2 x Serial ATA ports with 300MB/s HDD transfer rate
Ethernet Chipset	1 x Realtek 8103EL PCIe 10/100Base-T Ethernet controller
Audio Interface	Realtek ALC888 7.1 Channel HD Audio Codec, Mic-in/ Line-in/Line-out

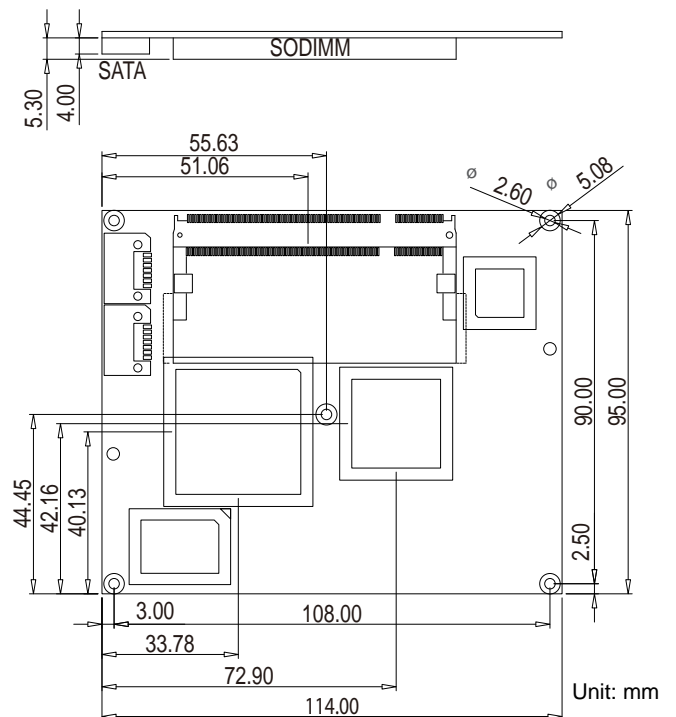
Display

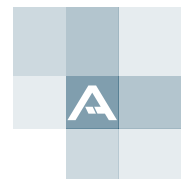
Graphic Chipset	Integrated Intel® Graphics Media Accelerator 3150
Graphic Interface	Analog RGB that supports up to 1400 x 1050 @60Hz LCD: Single channel 18-bit LVDS, with resolution up to 1280 x 800 or 1366 x 768

Mechanical & Environmental

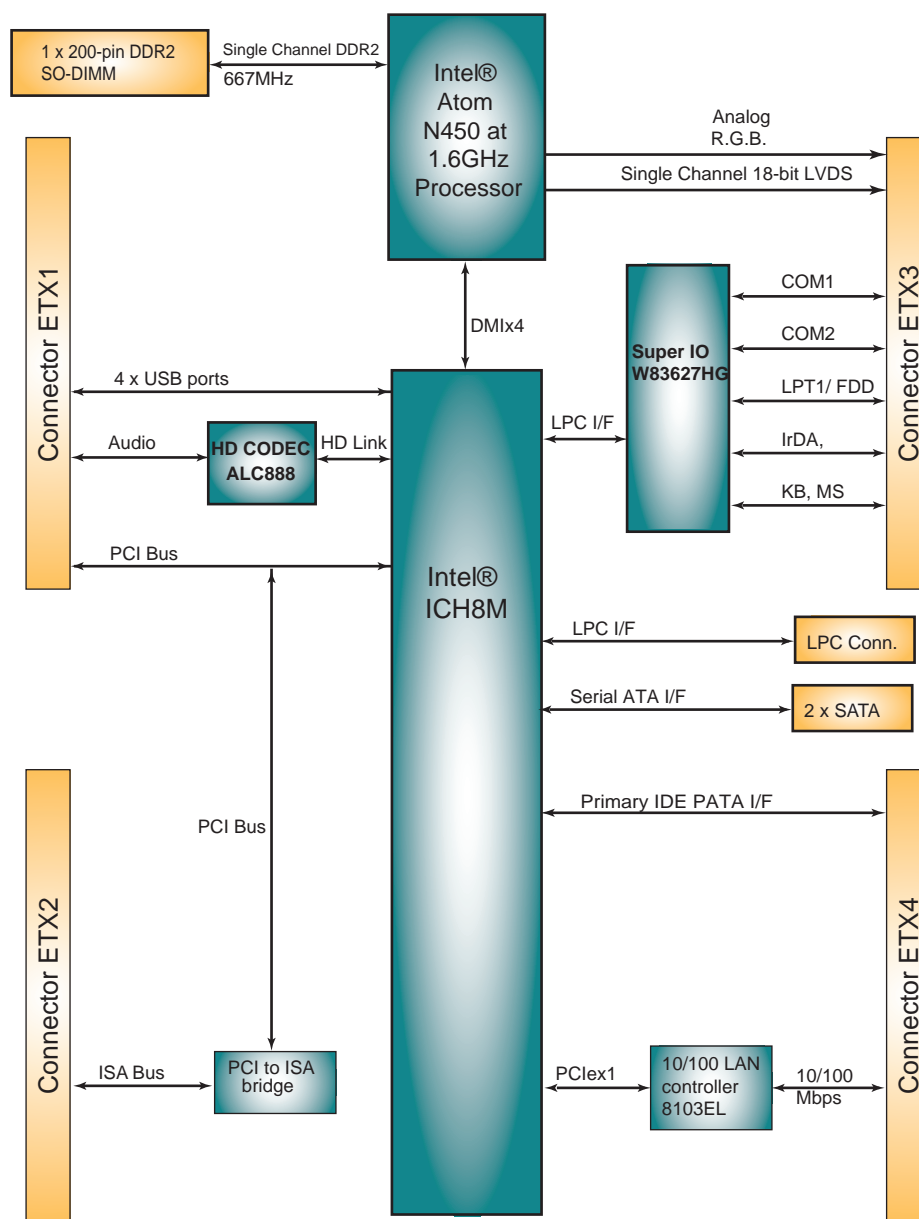
Power Requirement	+5V, 5VSB
Power Consumption	2.19A@+5.03V (Typical)
Operating Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 85°C (non-condensing)
Dimension (L x W)	114 x 95 mm (4.5" x 3.7")

Dimensions





Block Diagram



Ordering Information

ETX-742E	Intel® Atom™ Processor N450 1.6GHz ETX® CPU module
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Optional Accessories

HS-0742-F3	Heat spreader (114 x 95 x 8 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