



ETX-620E

Wide Range Operating Temperature AMD® Geode™ LX800 ETX® CPU Module



ETX

Features

- Fanless Design
- Soldered Onboard AMD® Geode™ LX800 Processor
- 24-bit TTL and 18-bit LVDS for LCD, and Analog RGB
- Support Analog RGB Output, LVDS and TTL Interface for LCD
- Multi-expansion (4 x USB, 1 x PATA, 2 x Serial Ports, 4 x PCI Masters, ISA Bus, and Optionally 1 x CF Socket)
- Wide Range Operating Temp.: -40 ~ 85°C

System

CPU	AMD® Geode™ LX800 500MHz CPU
Memory	1 x 200-pin DDR SO-DIMM Socket supporting 200MHz SDRAM up to 1GB
Chipset	AMD® LX800 + CS5536
BIOS	Phoenix-Award PnP Flash BIOS
Storage	1 x Ultra ATA, support 2 IDE devices 1 x CompactFlash Type II Socket (Optional)
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
Floppy	Floppy disk drive shared with parallel port
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	Intel® 82551QM PCI 10/100Base-T Ethernet controller
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Audio

CODEC/Interface	Realtek ALC203 AC97 Audio CODEC, support Mic-in/Line-in/Line-out
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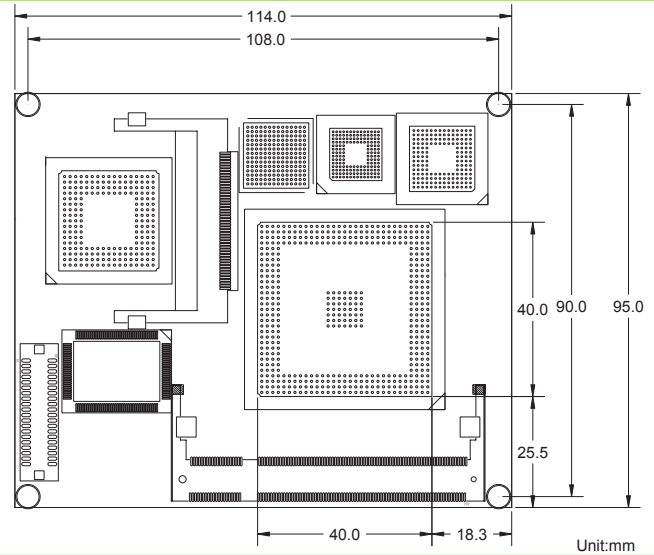
Display

Graphics Chipset	AMD® Geode™ LX800 integrated VGA controller with 2D Engine (Shared memory Max. 64MB)
Graphics Interface	LCD: 24-bit TTL 18-bit LVDS up to 1600 x 1200 (60Hz)

Mechanical & Environmental

Power Consumption	3.32A/5V (Max.)
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-620E	AMD® Geode™ LX800 ETX® CPU module
ETX-620E w/CF	AMD® Geode™ LX800 ETX® CPU module with CompactFlash Type II Socket
HS-5363-W1	Heatsink wave type (116 x 98 x 31 mm)
HS-5363-F1	Heat spreader (114 x 96 x 10 mm)
PBE-1000 R2.1	ETX® evaluation board in ATX form factor Page 1-20
CBK-05-1000-00	Cable kit
	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.

Computer on Module

Compact Board

Slot Board

Industrial Motherboard

Wide Temperature

SBC Daughterboard Power Converter Mounting Kit

Rugged Tablet PC

Medical PC

Industrial Panel PC/Monitor

Box PC

Industrial Chassis /Backplane/ Power supply