

EmETX-a5363

AMD® Geode™ LX800 ETX® CPU Module



Features

- **Fanless Design**
- Soldered Onboard AMD® Geode™ LX800 Processor
- 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)
- **Extended Operating Temp.: -20 ~ 70°C**

ETX

System

CPU	Soldered onboard AMD® Geode™ LX800 processor
Memory	1 x 200-pin DDR SO-DIMM Socket supporting 200MHz SDRAM up to 1GB
Chipset	AMD® Geode™ 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 selectable
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 Realtek 8100CL PCI 10/100Base-T Ethernet controller
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Audio

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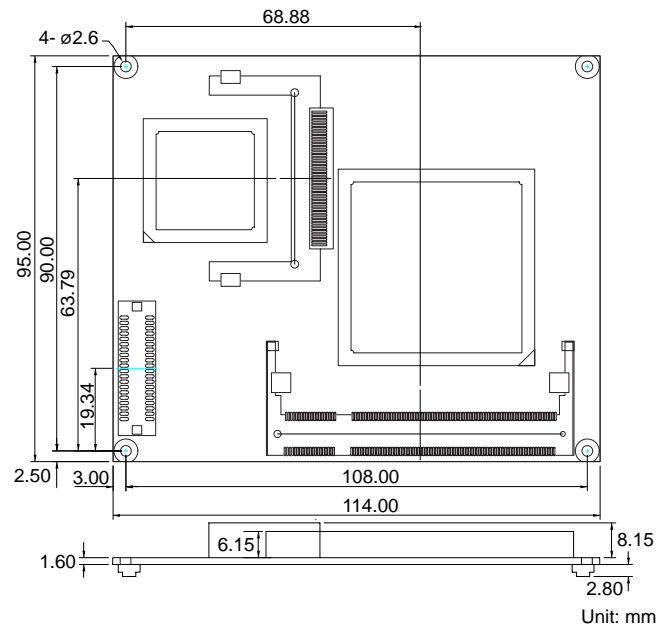
Display

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 Requirement	+5V, 5VSB
Power Consumption	1.85A/5V
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-a5363VL/LX800	AMD® Geode™ LX800 ETX® CPU module
EmETX-a5363VL/LX800 w/CF	AMD® Geode™ LX800 ETX® CPU module with CompacFlash Type II Socket
HS-5363-W1	Heatsink wave type (116 x 100 x 20 mm)
HS-5363-F1	Heat spreader (114 x 96 x 9.2 mm)
PBE-1000 R2.1	ETX® evaluation board in ATX form factor
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