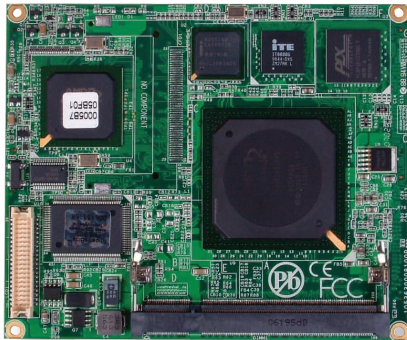




# EmETX-a5363

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)
- **Extended Operating Temp.: -20 ~ 70°C**

### System

<b>CPU</b>	AMD® Geode™ LX800 CPU
<b>Memory</b>	1 x 200-pin DDR SO-DIMM Socket supporting 200MHz SDRAM up to 1GB
<b>Chipset</b>	AMD® LX800 + CS5536
<b>BIOS</b>	Phoenix-Award PnP Flash BIOS
<b>Storage</b>	1 x Ultra ATA, support 2 IDE devices
	1 x CompactFlash Type II Socket (Optional)
	1 x Floppy disk drive shared with parallel port
<b>Watchdog Timer</b>	1~255 levels reset

### I/O

<b>I/O Chip</b>	Winbond W83627HG
<b>Serial Port</b>	2 x COM ports (1 x RS-232, 1 x RS-232/422/485 selectable via PBE-1000)
<b>Parallel Port</b>	SPP/EPP/ECP mode
<b>USB Port</b>	4 x USB 2.0 ports
<b>KB/MS</b>	PS/2 interface for Keyboard and Mouse (via PBE-1000)
<b>Expansion Bus</b>	PCI and ISA bus (4 x PCI masters)

### Ethernet

<b>Chipset</b>	Intel® 82551QM PCI 10/100Base-T Ethernet controller
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### Audio

<b>CODEC/Interface</b>	Realtek ALC203 AC97 Audio CODEC, Mic-in/Line-in/Line-out
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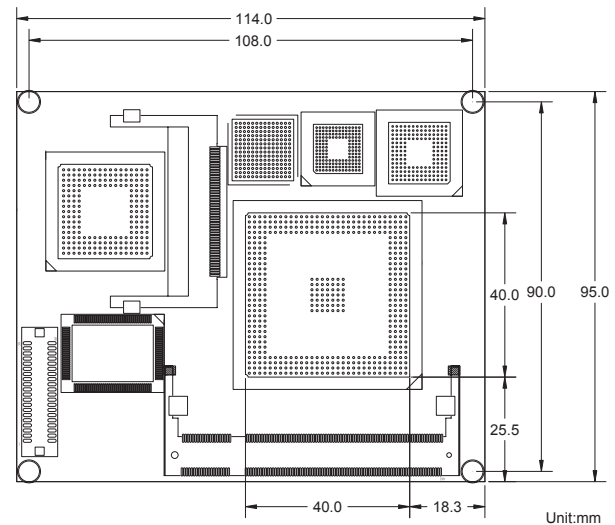
### Display

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

### Mechanical & Environmental

<b>Power Consumption</b>	3.32A/5V (Max.)
<b>Operating Temp.</b>	-20 ~ 70°C (-4 ~ 158°F)
<b>Operating Humidity</b>	0 ~ 90% (non-condensing)
<b>Dimension (L x W)</b>	114 x 95 mm (4.5" x 3.7")

### Dimensions



### Ordering Information

<b>EmETX-a5363VL/LX800</b>	AMD® Geode™ LX800 ETX® CPU module
<b>EmETX-a5363VL/LX800 w/CF</b>	AMD® Geode™ LX800 ETX® CPU module with CompactFlash Type II Socket
<b>HS-5363-W1</b>	Heatsink wave type (116 x 98 x 31 mm)
<b>HS-5363-F1</b>	Heat spreader (114 x 96 x 10 mm)
<b>PBE-1000 R2.1</b>	ETX® evaluation board in ATX form factor <span style="float: right;">Page 1-20</span>
<b>CBK-05-1000-00</b>	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.