

EmCORE-a5364

AMD® Geode™ LX800 3.5" Compact Board

Features

- **Fanless Design**
- Soldered Onboard AMD® Geode™ LX800 500MHz Processor
- Soldered Onboard DDR 256MB Memory
- 18/24-bit TTL, 18-bit LVDS, and Analog RGB
- Support Analog RGB Output, LVDS and TTL Interface for LCD
- Multi-expansion (4 x USB, 4 x Serial Ports, 1 x PATA, 1 x CF Socket, PC/104)

System

CPU	AMD® Geode LX800 500MHz processor
Memory	Soldered onboard 256MB DDR SDRAM
Chipset	AMD® LX800 + CS5536
BIOS	Phoenix-Award PnP Flash BIOS
	1 x Ultra ATA, support 2 IDE devices
Storage	1 x CompactFlash Type II Socket
	1 x Floppy disk drive share with parallel port
Watchdog Timer	1~255 levels reset

I/O

Serial Port	4 x COM ports (3 x RS-232, 1 x RS-232/422/485 selectable)
Parallel Port	SPP/EPP/ECP mode selectable
USB Port	4 x USB 2.0 ports
KB/MS	2 x 5-pin headers for PS/2 interface Keyboard and Mouse
Digital I/O	8-bit Digital Input/Output
Expansion Bus	PC/104 interface

Ethernet

Chipset	2 x Realtek RTL8100CL PCI 10/100Base-T Ethernet controllers
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Audio

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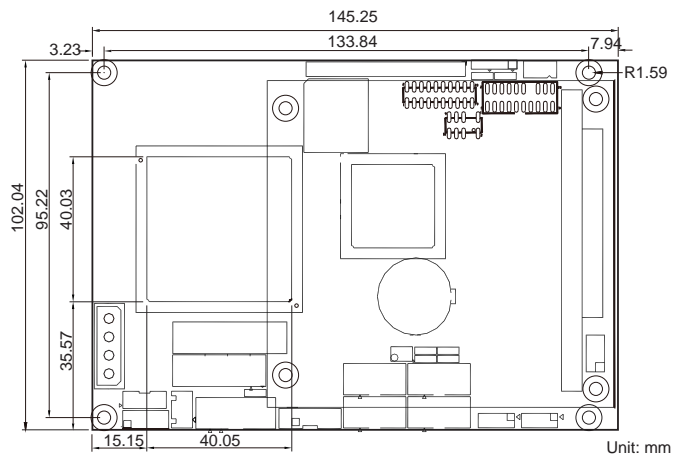
Display

Graphics Chipset	AMD® Geode LX800 integrated VGA controller with 2D engine (shared memory Max. 64MB)
	Analog RGB: 1920 x 1440 @85Hz
Graphics Interface	LCD: 18/24-bit TTL up to 1600 x 1200 (60Hz) 18-bit LVDS up to 1600 x 1200 (60Hz)

Mechanical & Environmental

Power Connector	Big 4P AT power connector
Power Consumption	1.1A/5V
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Operating Humidity	0 ~ 95% (non-condensing)
Dimension (L x W)	146 x 102 mm (5.7" x 4")

Dimensions



Ordering Information

EmCORE-a5364VL2 AMD® Geode™ LX800 3.5" compact board

CBK-14-5364-00	Cable kit	
	1 x Audio cable	1 x LPT cable
	2 x USB cables	2 x LAN cables
	4 x COM port cables	1 x VGA cable
	1 x LPT to FDD cable	1 x KB & MS cable
	1 x IDE cable	