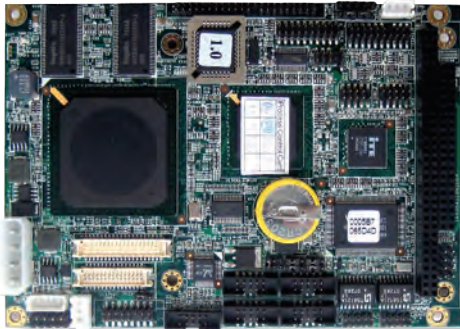


# EmCORE-a5364

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

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

## I/O

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

## Ethernet

<b>Chipset</b>	2 x Realtek RTL8100CL PCI 10/100Base-T Ethernet controllers
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## Audio

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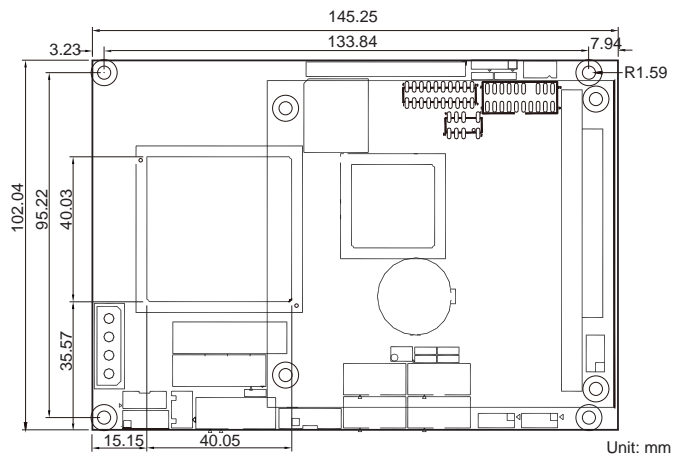
## Display

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

## Mechanical & Environmental

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

## Dimensions



## Ordering Information

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

<b>CBK-14-5364-00</b>	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	