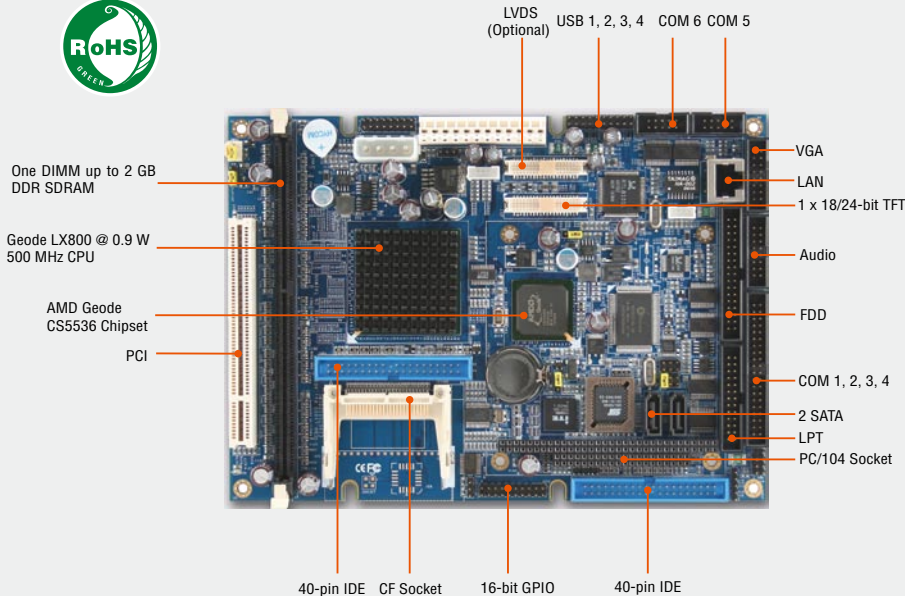


# EBM-LX800

## 5.25" AMD Geode LX800 Mini Module



### Features

Onboard AMD Geode LX800 / LX900 CPU

AMD Geode CS5536 Chipset

One DIMM up to 1 GB DDR SDRAM

AC97 Audio

Realtek RTL8101L 10/100 Mbps LAN

1 PC/104, 1 PCI, 1 Type I/II CF

18-bit TFT, Optional 18/24-bit LVDS

6 COM, 4 USB, 16-bit GPIO

Fanless Operation

LX800  
@ 0.9 W

PC/104

6 COM

4 USB

16 GPIO

Fanless

### Specifications

#### System

• CPU	Onboard AMD Geode LX800 @ 0.9 W Processor 500 MHz Optional AMD Geode LX900 @ 1 W Processor 600 MHz
• BIOS	Award 512 KB Flash BIOS
• System Chipset	AMD Geode LX800 / CS5536
• I/O Chip	Winbond W83627HG-AW
• System Memory	One 184-pin DIMM socket supports up to 1 GB DDR 333/400 SDRAM
• SSD	One CompactFlash Type I/II socket, Optional DOC (Co-lay)
• Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
• Expansion	1 PCI (Rev. 2.2 compliant), 1 PC/104

#### I/O

• MIO	2 x EIDE, 2 x SATA, 1 x FDD, 1 x LPT, 5 x RS-232, 1 x RS-232/422/485, 1 x K/B, 1 x Mouse
• IrDA	115k bps, IrDA 1.0 compliant
• USB	4 x USB 2.0 ports
• DIO	16-bit General Purpose I/O for DI and DO

#### Display

• Chipset	Integrated with AMD Geode LX800
• Display Memory	8/16 MB frame buffer using system memory
• Resolution	CRT mode: 1920 x 1440 @ 32 bpp (60 Hz) LCD mode: 1600 x 1200 @ 16 bpp (60 Hz)
• Multiple Display	CRT + LVDS
• VGA/LCD Interface	AGP 4X VGA / LCD interface
• LVDS	Optional 18/24-bit LVDS

#### Audio

• Chipset	AMD Geode CS5536
• AC97 Codec	Realtek ALC203 supports 2-CH Audio
• Audio Interface	Mic in, Line in, CD Audio in, Line out

#### Ethernet

• LAN	Realtek RTL8101L
• Ethernet Interface	10/100Base-Tx Fast Ethernet compatible: Realtek RTL 8101L

#### Mechanical & Environmental

• Power Requirement	+5 V @ 2.05 A, +12 V @ 0.07 A (with AMD LX800 0.9 W 500 MHz & 512 MB DDR 400 SDRAM)
• Power Type	AT / ATX
• Operating Temperature	0~60°C (32~140°F)
• Operating Humidity	0%~90% relative humidity, non-condensing
• Size (L x W)	8" x 5.75" (203 mm x 146 mm)
• Weight	0.88 lbs (0.4 kg)

### Ordering Information

#### • EBM-LX800

5.25" AMD Geode LX800 Mini Module with DDR DIMM, VGA, LCD, SATA, USB, COM, GPIO

#### • ACC-CF-xx

CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4 GB)

#### • ACC-MEM-xx

Memory Series (xx = Capacity, Capacity Option: 256, 512 MB, 1 GB)

#### • ACC-EBM-LX800-1R

Cable kit for EBM-LX800

Note: Cable Kit not included

01  
ETX

02  
3.5"

03  
EPIC

04  
5.25"

05  
PC/104

06  
Embedded  
System

07  
Smart  
Terminal

08  
InnoFlex  
PPC

09  
ACC