



Features

- Onboard AMD Geode LX800 / LX900 CPU
- AMD Geode LX800 / CS5536 Chipset
- One 200-Pin DIMM up to 1 GB DDR SDRAM
- Dual View, TFT, LVDS
- 2-CH Audio
- Realtek RTL8101L 10/100 Mbps LAN
- 1 PC/104, 1 PCI, 1 Type I/II CF
- 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 (85 Hz) LCD mode: 1600 x 1200 @ 32 bpp (60 Hz)
• Multiple Display	CRT + LVDS
• VGA/LCD Interface	AGP 4X VGA / LCD interface
• LVDS	Single Channel 18-bit LVDS, Optional 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 RTL8101L

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, LVDS, 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

- CH1**
ETX/
COM Express
- CH2**
3.5" SBC
- CH3**
EPIC
- CH4**
5.25" SBC
- CH5**
PC/104
- CH6**
IMB
- CH7**
Embedded System
- CH8**
MTP
Panel PC
- CH9**
Panel PC
- CH10**
ahis
- CH11**
Peripheral
- CH12**
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