



Features

- Onboard AMD Geode LX800 @ 0.9W 500MHz with 128K L2 Cache CPU
- AMD Geode LX800/ CS5536 Chipset
- One 200-pin SODIMM Up to 1GB DDR SDRAM
- Dual View, TFT, Single-channel 18-bit LVDS, 2-CH Audio
- Dual Realtek RTL8101L LAN
- ITE IT8888G PCI to ISA Bridge
- 1 PC/ 104, 1 CF
- 2 SATA, 4 COM, 4 USB, 16-bit GPIO
- Fanless Operation
- Wide Temperature: -40 ~ 85°C

Specifications

System

• CPU	Onboard AMD Geode LX800 @ 0.9W 500MHz with 128K L2 Cache CPU
• BIOS	Award 4Mbit Flash BIOS
• System Chipset	AMD Geode LX800/ CS5536
• I/O Chip	Winbond W83627DHG-PT
• System Memory	One 200-pin SODIMM Socket Supports Up to 1GB DDR 333/ 400 SDRAM
• SSD	One CompactFlash Type I/II Socket
• Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
• H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
• Expansion	1 PC/104

I/O

• MIO	1 x EIDE (Ultra DMA 100), 2 x SATA, 1 x LPT, 3 x RS-232, 1 x RS-232/422/485, 1 x K/B & Mouse
• IrDA	115k bps, IrDA 1.0 Compliant
• USB	4 x USB 2.0
• DIO	16-bit General Purpose I/O for DI and DO

Display

• Chipset	AMD Geode LX800 with Integrated Graphics Engine
• Display Memory	8/ 16/ 32/ 64/ 128/ 254MB Frame Buffer Using System Memory
• Resolution	CRT Mode: 1920 x 1440 @ 32bpp (85Hz) LCD/ Simultaneous Mode: 1600 x 1200 @ 32bpp (85Hz)
• Multiple Display	CRT + LVDS, CRT + TTL
• LCD Interface	Supports 18/ 24-bit TFT Panel
• LVDS	Single-channel 18-bit LVDS/ Optional 24-bit

Audio

• AC97 Codec	Realtek ALC203 Supports 2-CH Audio
• Audio Interface	Mic-in, Line-in, CD Audio-in, Line-out

Ethernet

• LAN	Dual Realtek RTL8101L
• Ethernet Interface	100 Base-Tx Fast Ethernet Compatible

Mechanical & Environmental

• Power Requirement	+5V @ 1.97A, +12V @ 0.10A (with AMD Geode LX800 @ 0.9W 500MHz & 1GB DDR 333 SDRAM) *Note: +12V is for LVDS Inverter Only
• Power Type	AT/ ATX
• Operating Temperature	-40 ~ 85°C (-40 ~ 185°F)
• Storage Temperature	-40 ~ 85°C (-40 ~ 185°F)
• Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
• Size (L x W)	5.7" x 4" (146mm x 101mm)
• Weight	0.44lbs (0.2kg)

Ordering Information

- **ECM-LX800W**
3.5" AMD LX800 @ 0.9W 500MHz Micro Module with VGA, LVDS, Audio, Dual LAN, CF, PC/104, 2 SATA, 4 COM, 4 USB, 16-bit GPIO
- **ACC-CF-xx**
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512MB, 1, 2, 4, 8GB)
- **ACC-MEM-xx**
Memory Series (xx = Capacity, Capacity Option: 128, 256, 512MB, 1GB)

- 1 Embedded System
- 2 Qseven Module
- 3 ETX/XTX COM Express
- 4 3.5" SBC
- 5 EPIC
- 6 5.25" SBC
- 7 ATX
- 8 Micro ATX
- 9 Mini ITX
- 10 Nano ITX
- 11 ACP
- 12 Rack Mount System
- 13 Mini ITX System
- 14 Peripherals
- 15 Index