



Features

- Onboard AMD Geode LX800 @ 0.9 W 500 MHz with 128K L2 Cache CPU
- One 200-pin SODIMM up to 1 GB DDR SDRAM
- Dual View, TFT, LVDS, 2-CH Audio
- Dual Realtek RTL8101L 10/100 Mbps LAN
- ITE IT8888G PCI to ISA Bridge
- 1 PC/104, 1 Type I/II CF
- 4 COM, 4 USB 2.0, 16-bit GPIO
- Fanless Operation

LX800 @ 0.9 W	Dual View	2 LAN	PC/104	16 GPIO
4 USB 2.0	2 SATA	Fanless		

Specifications

System

• CPU	Onboard AMD Geode LX800 @ 0.9 W 500 MHz with 128K L2 cache
• BIOS	Award 512 KB Flash BIOS
• System Chipset	AMD Geode LX800 / CS5536
• I/O Chip	Winbond W83627HG-AW
• System Memory	One 200-pin SODIMM socket supports up to 1 GB DDR 333/400 SDRAM
• SSD	One CompactFlash Type I/II socket
• Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
• H/W Status Monitor	Monitoring system temperature and voltage. Auto throttling control when CPU overheats
• Expansion	1 PC/104 connector

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 ports
• DIO	16-bit General Purpose I/O for DI and DO

Display

• Chipset	AMD Geode LX800 with integrated graphics engine
• Display Memory	8/16/32/64/128/254 MB frame buffer using system memory
• Resolution	CRT mode: 1920 x 1440 @ 32 bpp (85 Hz) LCD / Simultaneous mode: 1600 x 1200 @ 32 bpp (85 Hz)
• Multiple Display	CRT + LVDS
• VGA/LCD Interface	Supports 18/24-bit TFT Panel
• LVDS	Single channel 18/24-bit LVDS

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	100Base-Tx Fast Ethernet compatible

Mechanical & Environmental

• Power Requirement	+5 V @ 1.97 A, +12 V @ 0.10 A (with AMD Geode LX800 @ 0.9 W 500 MHz & 1 GB DDR333 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)	5.7" x 4" (146 mm x 101 mm)
• Weight	0.44 lbs (0.2 kg)

Ordering Information

- **ECM-LX800**
3.5" AMD LX800 @ 0.9 W 500 MHz Micro Module with VGA, LVDS, Audio, Dual LAN, CF, PC/104, 2 SATA, 4 COM, 4 USB 2.0, 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: 128, 256, 512 MB, 1 GB)

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

Index