



Features

- Onboard AMD Geode LX800 500MHz @ 0.9W CPU
- AMD Geode LX800/ CS5536 Chipset
- One SODIMM Up to 1GB DDR 400 SDRAM
- 24-bit TTL, 18-bit LVDS
- Realtek ALC655 Supports 2-CH Audio
- Realtek RTL8139DL 10/ 100Mbps LAN
- 1 Mini PCI, 1 CF
- 2 COM (1 Powered COM), 4 USB, 8-bit GPIO



Specifications

System

CPU	Onboard AMD Geode LX800 @ 0.9W CPU with 128K L2 Cache or 64K L1 Cache
BIOS	Award 512KB Flash BIOS
System Chipset	AMD Geode LX800/ CS5536
I/O Chip	Winbond W83627HG-AW
System Memory	One 200-pin SODIMM Socket Supports Up to 1GB DDR 400 SDRAM
SSD	One CompactFlash Type I/II Socket
Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring CPU Temperature, Voltage and Fan Status with Auto Throttling Control
Expansion	1 Mini PCI

I/O

MIO	1 x EIDE (DMA 33), 2 x RS-232 (COM1, 5V/ 12V), 1 x K/B + Mouse
IrDA	115kbps, IrDA 1.0 Compliant
USB	4 x USB 2.0
DIO	8-bit General Purpose I/O for 4-bit DI and 4-bit DO

Display

Chipset	AMD Geode LX800 with Integrated Graphics Engine
Display Memory	AMD LX800 Integrated Graphics Controller Supports Up to 32MB Shared Video Memory
Resolution	CRT Mode: 1024 x 768 @ 32bpp (85Hz) TFT Mode: 1600 x 1200 @ 32bpp (100Hz)
TTL TFT	24-bit Color Support for Digital Pixel Input
LVDS	Single Channel 18-bit LVDS

Audio

Chipset	AMD Geode CS5536
Audio Codec	Realtek ALC655 Supports 2-CH AC97 Audio
Audio Interface	Mic-in, Line-out (2 Jack), Line-in (Pin-header)

Ethernet

LAN	Realtek RTL8139DL 10/ 100Mbps LAN
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Mechanical & Environmental

Power Type	ATX (5V/ 12V; 5Vsb)
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	0 ~ 90% Relative Humidity, Non-condensing
Size (L x W)	4.72" x 4.72" (120mm x 120mm)
Weight	0.88lbs (0.4Kg)

Ordering Information

ENX-LX800-A1R

AMD Geode LX800 500MHz Nano ITX Motherboard with AMD Geode LX800 + CS5536 Chipset and VGA, TFT, LVDS, Audio, LAN, CF, Mini PCI, 2 COM, 4 USB & 8-bit GPIO w/ IDE Cable, Bracket, CD Driver