



Features

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



System

CPU	Onboard AMD Geode LX800 @ 0.9W CPU with 128K L2 Cache or 64K L1 Cache
BIOS	Award 4 Mb 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 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 CPU temperature, voltage, and fan status with auto throttling control
Expansion	One Mini PCI

I/O

MIO	1 x EIDE (DMA 33), 2 x RS-232 (COM1, 5V/12V), 1 x K/B+Mouse
IrDA	115k bps, 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

Audio

Chipset	AMD Geode CS5536
Audio Codec	Realtek ALC655 supports 2-CH AC97 Audio
Audio Interface	Mic in, Line in, Line out

Display

Chipset	AMD Geode LX800 with integrated graphics engine
Display Memory	AMD LX800 integrated graphics controller supports up to 32 MB shared video memory
Resolution	CRT mode: 1024 x 768 @ 32 bpp (85 Hz) TFT mode: 1600 x 1200 @ 32 bpp (100Hz)
TTL TFT	18/24-bit color support for digital pixel input
LVDS	Single channel 18-bit LVDS

Ethernet

LAN	Realtek RTL8139DL 10/100 Mbps LAN
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Mechanical & Environmental

Power Type	ATX
Operating Temperature	0~60°C (32~140°F)
Operating Humidity	0%~90% relative humidity, non-condensing
Size (L x W)	4.72" x 4.72" (120 mm x 120 mm)
Weight	0.88 lbs (0.4 Kg)

Ordering Information

ENX-LX800-A1R	AMD Geode LX800 500 MHz Nano ITX Motherboard with VGA, TFT, LVDS, Audio, LAN, CF, Mini PCI, 2 COM, 4 USB & 8-bit GPIO w/ IDE cable, Bracket, CD driver
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