

Industrial Motherboard



ALX800-LCN

AMD® Geode LX800 500 MHz Nono ITX Main Board

Features

- Onboard AMD Geode LX800 500 MHz @ 0.9 W with 128K L2 Cache & 64K L1 Cache CPU
- AMD Geode CS5536 Companion Chip
- One SODIMM up to 1 GB DDR 400 SDRAM
- 18/24-bit TFT, LVDS
- Realtek RTL8139DL 10/100Mbps LAN
- Realtek RTL8100C 10/100Mbps LAN
- 1 Mini PCI, Type I/II CF
- 2 COM, 4 USB 2.0, 8-bit GPIO

LVDS

Fanless

5.1 CH.
Audio

Specifications

System

CPU	Onboard AMD Geode LX800 @ 0.9 W 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 cooling fan status. Auto throttling control when CPU overheats

I/O

MIO	1 x EIDE (Ultra DMA 66), 2 x RS-232, 1 x K/B, 1 x Mouse
IrDA	115k bps, IrDA 1.0 compliant
USB	4 x USB 2.0 ports
DIO	8-bit General Purpose I/O for DI and DO

Display

Chipset	AMD Geode LX800 with integrated graphics engine
Display Memory	AMD LX800 integrated graphics controller supports up to 32 MB video memory
Resolution	CRT mode: 1920 x 1440 @ 32 bpp (85 Hz) TFT mode: 1600 x 1200 @ 32 bpp (100Hz)
TTL TFT	AMD Geode LX800 18/24-bit color support for digital pixel input
LVDS	AMD Geode LX800 supports 18-bit Single channel LVDS

Audio

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

Ethernet

LAN 1	Realtek RTL8139DL 10/100Mbps LAN
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Back Panel I/O Port

Back Panel I/O Port	1 x Mini Din(KB/Mouse)
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1 x VGA port
2 x USB 2.0/1.1
1 x RJ45 port
6-Channel Audio I/O (2 jacks)

Internal I/O Connector

Internal I/O Connector 1 x USB connectors support additional 2 USB ports
1 x 6-pin ATX Power connector
1 x IDE connector for two devices
2 x COM port connectors
1 x Chassis intrusion connector
1 x I2C connector
1 x IR connector
1 x TTL connector
1 x LVDS inv connector
1 x LVDS connector
1 x CPU Fan connector
1 x Chassis Fan connector
1 x Front panel connector
1 x GPIO connector

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)