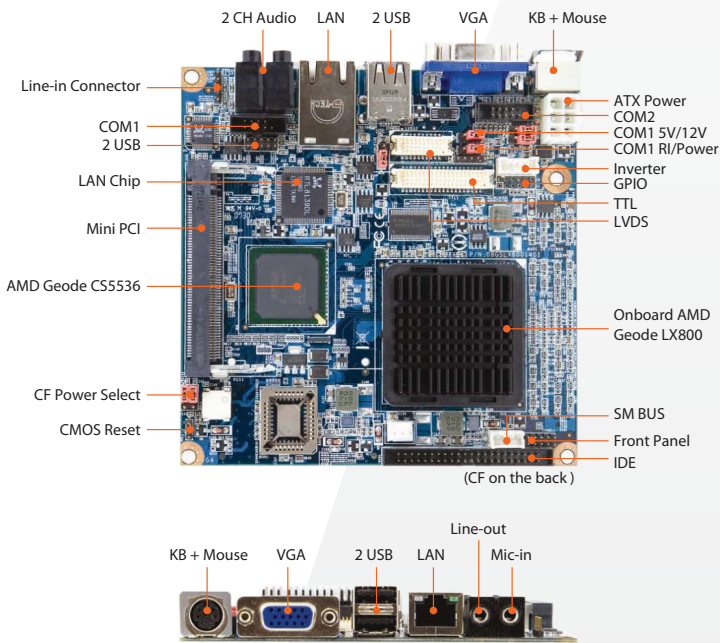


ALX800-LCN

AMD Geode™ LX800 500MHz Nano-ITX Motherboard



Features

- Supports AMD Geode LX800 500MHz CPU
- AMD Geode CS5536 Companion Chip
- One 200-pin SODIMM up to 1GB DDR 400 SDRAM
- 24-bit TTL, 18-bit LVDS
- Realtek ALC655 supports 2 Channel AC97 HD Audio
- Realtek RTL8193DL 10/100Mbps LAN
- 1 Mini PCI, 1 CF
- 2 COM, 4 USB 2.0
- 8-bit GPIO

Specifications

System

CPU	Supports AMD Geode LX800 @ 0.9W with 128K L2 Cache/ 64K L1 Cache
BIOS	Award 4Mb FWH 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
Watchdog Timer	Reset : 1 to 255 sec/min per step
H/W Status Monitor	Monitoring CPU temperature, voltage and cooling fan status. Auto throttling control when CPU overheats.
Expansion	1 Mini PCI, 1 CompactFlash Type I/II Socket
Power State	S1, S3, S4, S5
Wake up on LAN or Ring	LAN (PXE)

I/O

MIO	1 IDE, 2 COM RS-232, 1 VGA, 1 LVDS, 1 TTL, 1 LAN, 1 PS/2 Keyboard + Mouse
USB	4 USB 2.0 (2 Rear, 2 Internal)
IrDA	115k bps, IrDA 1.0 compliant
GPIO	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 Video Memory
Max Resolution	CRT Mode : 1920 x 1440 (@85Hz) TFT Mode : 1600 x 1200 (@60Hz)
Dual Display	VGA + LVDS, VGA + TTL
VGA	Onboard
LVDS	Onboard, single channel 18-bit LVDS
TTL	Onboard, single channel 24-bit TTL

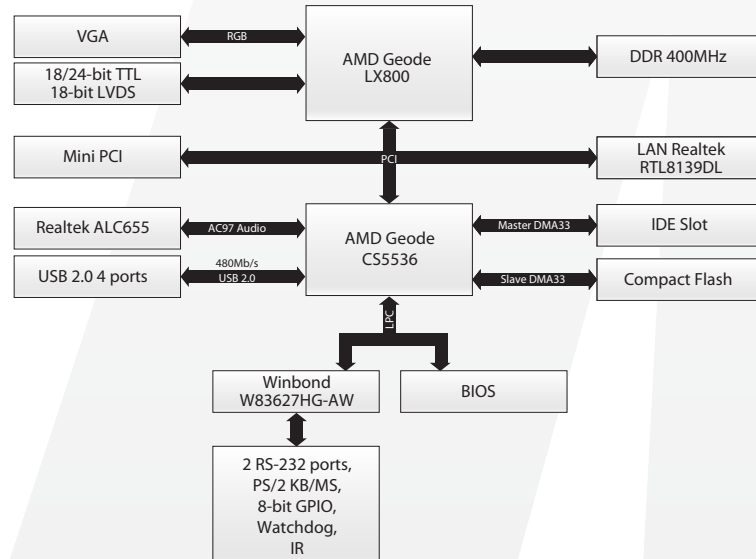
Audio

Audio Codec	Realtek ALC655, 2 Channel AC97 Audio
Audio Interface	Mic-in, Line-in, Line-out

Ethernet

LAN	Realtek RTL8139DL 10/100 LAN
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Block Diagram



Back Panel I/O Port

- 1 PS/2 Keyboard + Mouse (through Y-Cable)
- 1 VGA Port
- 2 USB 2.0 Ports
- 1 LAN RJ45 Port
- 1 Audio Mic-in (1 Jack)
- 1 Audio Line-out (1 Jack)

Internal I/O Connector

- 1 LVDS Connector
- 1 TTL Connector
- 1 Front Panel Connector
- 1 IDE Connector
- 2 COM Connectors
- 1 LCD Inverter Power Connector
- 1 Fan Connector
- 1 USB Connector
- 1 Line-in Connector

Power

Power Requirement	+12V	+5V	+3.3V	5VSB
	0.04A	1.16A	N/A	0.63A

Power Type ATX

Power Connector 6-pin ATX Power Connector

Mechanical & Environmental

Operating Temperature 0°C to 60°C (32°F to 140°F)

Operating Humidity 0% to 90% relative humidity, non-condensing

Size (L x W) 4.72" x 4.72" (120 x 120mm)

Weight 0.88 lbs (0.4 Kg)