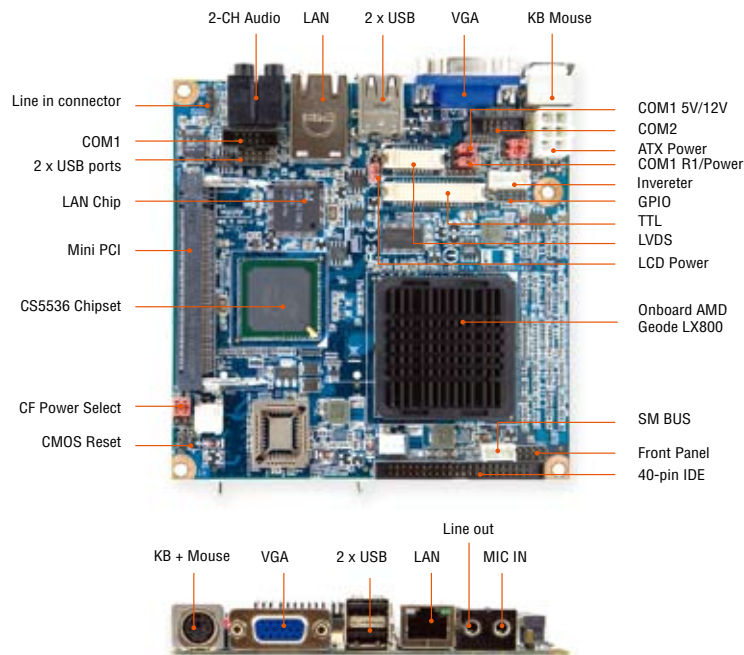


ALX800-LCN AMD® Geode LX800 500 MHz Nano ITX Motherboard



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 TTL, LVDS
- Realtek ALC655 2-CH Audio
- Realtek RTL8139DL 10/100Mbps LAN
- 1 Mini PCI, Type I/II CF
- 2 COM, 4 USB 2.0, 8-bit GPIO



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
Expansion	One Mini PCI

I/O

MIO	1 x EIDE (DMA 33), 2 x RS-232, 1 x K/B, 1 x 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

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: 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

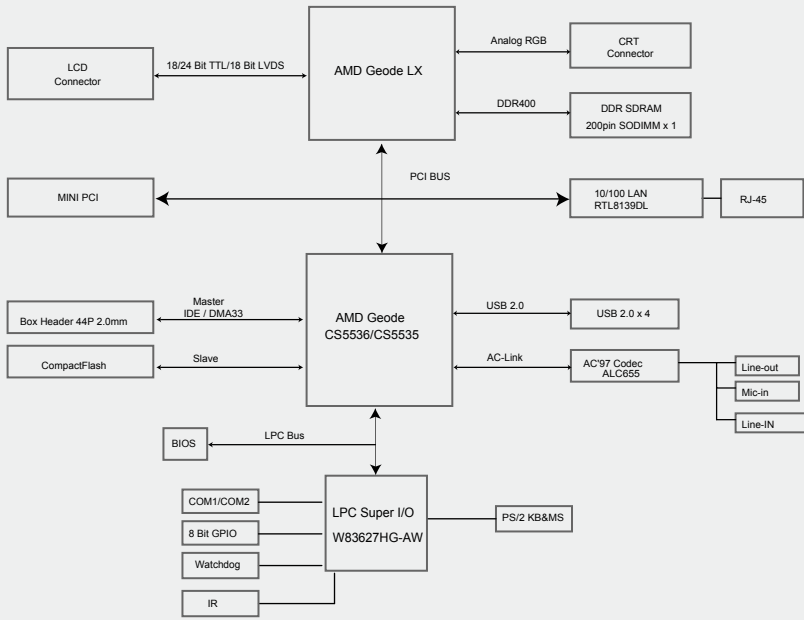
Audio

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

Ethernet

LAN 1	Realtek RTL8139DL 10/100Mbps LAN
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Block Diagram



Ordering information

ALX800-LCN AMD Geode LX800 500 MHz Nano ITX Main Board with VGA, TFT, LVDS, Audio, LAN, CF, Mini PCI, 2 COM, 4 USB 2.0 & 8-bit GPIO

TBD On-board 3.3V DC/DC for AT mode application

Packing List for ALX800-LCQEI

80I-LX8000-10000A1	ALX800-LCN Nano-ITX motherboard	1
TBD	6-pin to 20-pin Power connector	1
TBD	44-pin IDE cable	1
TBD	COM cable	2
TBD	Y cable	1

Back Panel I/O Port

1 x Mini Din(KB/Mouse)
1 x VGA port
2 x USB 2.0/1.1
1 x RJ45 port
Audio I/O (2 jacks)

Internal I/O Connector

1 x 6Pin ATX compatible power connector
1x LVDS 20Pin Panel Connector
1x TTL 40Pin Panel Connector
1x Front Panel Connector
1 x 44Pin IDE Connector
2 x COM Port Connector
1 x LCD Invert Power Connector
1 x 3Pin FAN Connector
1 x ext. USB Connector
1 x ext Line-in 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)

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