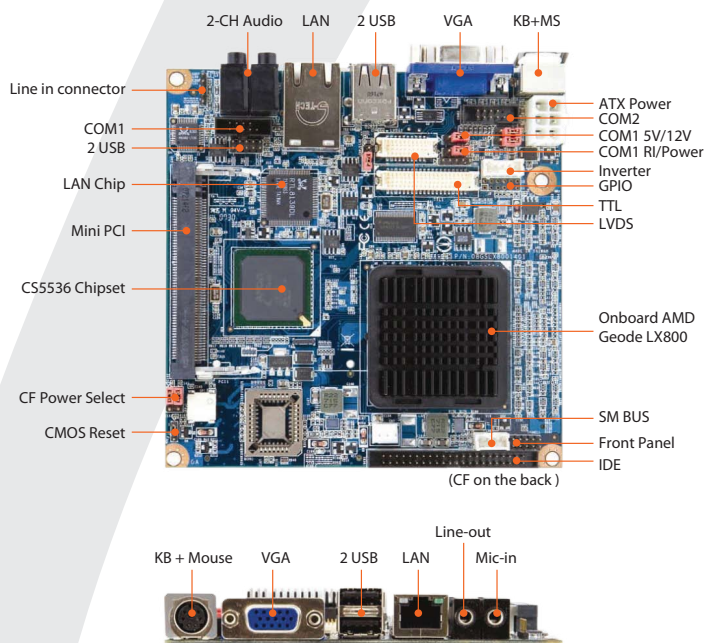


NX800LX

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, 2 CH AC97 HD Audio
- Realtek RTL8193DL 10/100Mbps LAN
- 1 Mini PCI, 1 CF
- 2 COM, 4 USB 2.0
- 8-bit GPIO

TTL

LVDS

Mini PCI

CF

8-bit
GPIO

Specifications

System

CPU	Supports AMD Geode LX800 @ 0.9W with 128K L2 Cache/ 64K L1 Cache
BIOS	Award 8Mb Flash BIOS
System Chipset	AMD Geode 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 to 255 sec/min per step
H/W Status Monitor	Monitoring CPU temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
Power State	S1, S3, S4, S5
Wake up on LAN or Ring	LAN
Expansion	1 Mini PCI

I/O

MIO	1 IDE (DMA 33), 2 COM RS-232, 1 PS/2 Keyboard, 1 PS/2 Mouse
IrDA	115k bps, IrDA 1.0 compliant
USB	4 USB 2.0
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
Resolution	CRT Mode : 1920 x 1440 (@85Hz) TFT Mode : 1600 x 1200 (@60Hz)
LVDS	Single channel 18-bit LVDS
TTL	Single channel 24-bit TTL

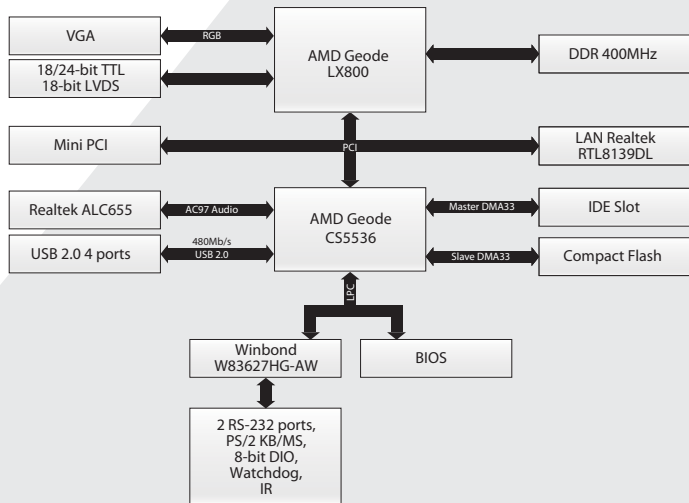
Audio

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

Ethernet

LAN	Realtek RTL8139DL 10/100 LAN
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Block Diagram



Ordering Information

NX800LX

90N-LN800-M1000B2
NX800LX Nano-ITX Motherboard

Product Offering

until 2015

Packing List

COM Cable w/o Bracket	x 1
IDE Cable	x 1
6-pin to 20-pin ATX Power Cable	x 1
PS/2 KB/MS Y-Cable	x 1
I/O Shield	x 1
Driver CD	x 1
Startup Manual	x 1

Back Panel I/O Port

- 1 PS/2 KB+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 20-pin LVDS connector
- 1 40-pin TTL connector
- 1 Front Panel connector
- 1 IDE connector
- 2 COM connectors
- 1 LCD Inverter power connector
- 1 Fan connector
- 1 Ext. USB connector
- 1 Ext. Line-in connector

Mechanical & Environmental

Power Requirement	+12V 0.04A	+5V 1.16A	+3.3V N/A	5VSB 0.63A
Power Connector	6-pin ATX Power Connector			
Power Type	ATX			
Operating Temperature	0 to 60°C (32 to 140°F)			
Operating Humidity	0% to 90% relative humidity, non-condensing			
Size (L x W)	4.72" x 4.72" (120mm x 120mm)			
Weight	0.88lbs (0.4kg)			