

# NX800LX

AMD® Geode LX800 500MHz Nano ITX Main Board

## Startup Manual

### Packing List

Before you begin installing your single board, please make sure that the following parts have been shipped.

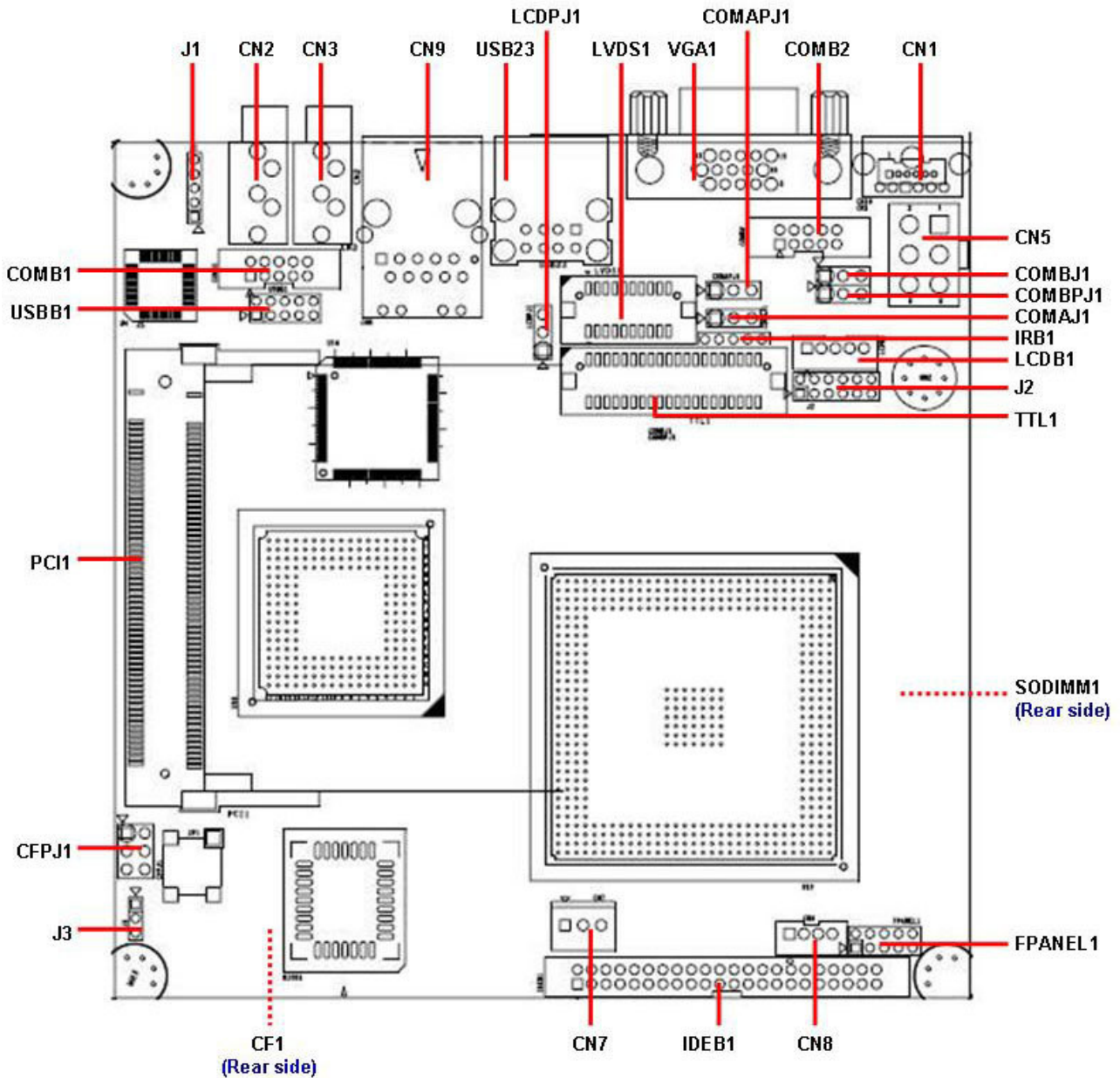
- 1 x AMD LX800 Nano ITX Main board
- 1 x CD-ROM contains the followings:
  - User's Manual in PDF file
  - Drivers
- 1 x COM cable
- 1 x ATX power cable (6pin to 20pin)
- 1 x IDE HDD cable (44-pin)
- 1 x MD6M to MD6Fx2 200mm cable
- 1 x Startup Manual

### Disclaimer and Notice



The manufacturer reserves the right to make changes, without notice, to any product, including circuits and/or software described or contained in this manual in order to improve design and/or performance. The manufacturer assumes no responsibility or liability for the use of the described product(s), conveys no license or title under any patent, copyright, or masks work rights to these products, and makes no representations or warranties that these products are free from patent, copyright, or mask work right infringement, unless otherwise specified. For the detail product information, please refer to user's manual.

# Product Overview











## Specifications

### System

<b>CPU</b>	Onboard AMD Geode LX800 @ 0.9 W with 128K L2 Cache or 64K L1 Cache
<b>BIOS</b>	Award 4 Mb Flash BIOS
<b>System Chipset</b>	AMD Geode LX800/CS5536
<b>I/O Chipset</b>	Winbond W83627HG-AW
<b>Memory</b>	1 x 200-pin SODIMM socket supports up to 1 GB DDR 400 SDRAM
<b>SSD</b>	1 x CompactFlash Type I/II socket
<b>Watchdog Timer</b>	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
<b>H/W Status Monitor</b>	Monitoring CPU temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
<b>Expansion Slots</b>	1 x 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 ports
DIO	8-bit General Purpose I/O for 4 DI and 4 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)
VGA/LCD Interface	Single channel 18-bit LVDS
Audio	
Chipset	AMD Geode CS5536
AC97 Codec	Realtek ALC655 supports 2 CH AC97 Audio
Audio Interface	Mic in, Line in, Line out
Ethernet	
LAN1	Realtek RTL8139DL PCI 100/10Mb

Jumpers			
Label	Function	Note	
J3	Clear CMOS	Normal *	Clear CMOS
			
LCDPJ1	LCD Backlight Brightness Adjustment Connector	+5V (Default)	+3.3V
			
COMAJ1, COMBJ1	COM1/COM2 RI/+5V Selection	Ring (Default)	+5V
			
COMAPJ1, COMBPJ1	COM1/COM2 +5V/+12V Selection	+5V (Default)	+12V
			

## Connectors

Label	Function	Note
CFPJ1	CF Power Connector	<p>VCC VCCCF VCC3</p>
CN7	Power Fan Connector	<p>PWRFANIN GND +12V</p>
CN8	SM Bus Connector	<p>VCC3 SMBxDATA SMBxCLK GND</p>
FPANEL1	Front Panel Connector	<p>PWR_LED+ PWR_LED- PWR GND HD LED+ HD LED- GND Reset HDLED RESET</p>
IRB1	IrDA Connector	<p>+5V GND IRRX IRTX</p>
LCDB1	LCD Inverter Connector	<p>+5V VR +12V TFTxBLKEN GND</p>
LVDS1	LVDS Connector	<p>VDDFP VDDFP VDDFP VDDFP LVDSxIYAM0 LVDSxIYAP0 GND LVDSxIYAM2 LVDSxIYAP2 GND LVDSxIYAM1 LVDSxIYAP1 GND LVDSxCLKAM LVDSxCLKAP GND CRTxSMBxDATA CRTxSMBxCLK TFTxVCON NC</p>