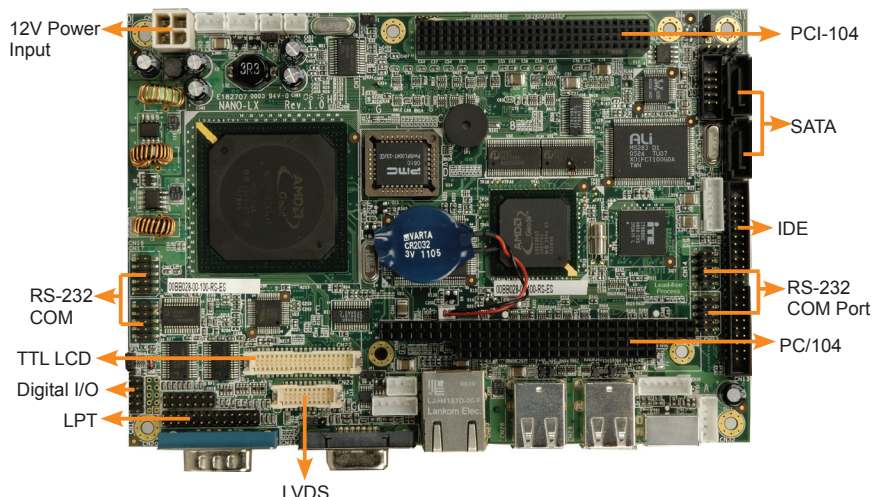
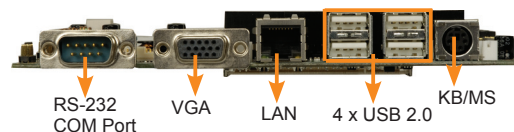
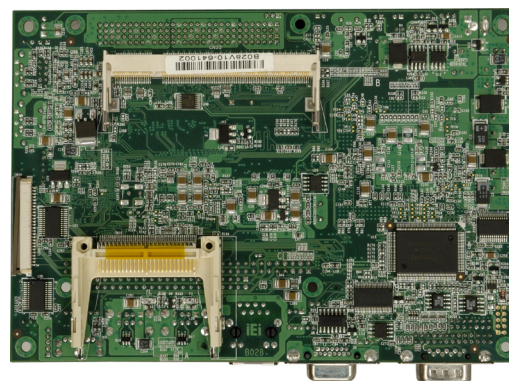


# NANO-LX

## EPIC SBC with AMD LX800 CPU, Audio, CRT, LCD/LVDS & SATA RAID 0,1,JBOD Function Support



### Solder Side



### Feature

1. EPIC form factor, new AMD LX800 processor embedded board with RoHS compliant
2. DDR 400MHz SO-DIMM SDRAM up to 1GB
3. CRT, 24-bit TTL, and 18-bit LVDS support flat panel and CRT monitor
4. SATA RAID 0,1, JBOD function support
5. Complete I/O support with 2 x SATA-150, IDE, PC/104+, and 4 x USB2.0

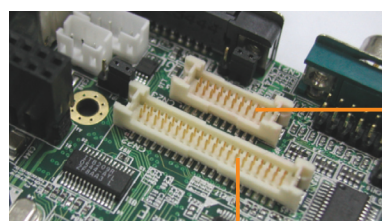
### Specification



- ◆ **CPU**  
AMD Geode LX800 500MHz processor
- ◆ **Cache Memory**  
64K I / 64K D L1 cache, 128K L2 cache
- ◆ **System Chipset**  
AMD CS5536
- ◆ **BIOS**  
AWARD
- ◆ **System Memory**  
1 x 200-pin DDR 400/333MHz SO-DIMM SDRAM up to 1GB
- ◆ **Ethernet**  
10/100Base-T RTL8100C
- ◆ **I/O**  
4 x USB 2.0  
2 x SATA-150  
1 x CFII  
1 x LPT  
6 x RS-232, 1 x RS-422/485  
1 x PS/2 keyboard/mouse  
1 x IDE
- ◆ **Audio**  
AC'97 Codec Realtek ALC203A
- ◆ **Digital I/O**  
4 input / 4 output by super I/O
- ◆ **Super I/O**  
W83627EHG
- ◆ **Display**  
CRT integrated in AMD LX800  
**TTL/ LVDS**  
24-bit single channel TTL integrated in AMD Geode LX800  
18-bit single channel LVDS integrated in AMD Geode LX800
- ◆ **Watchdog Timer**  
Software programmable supports 1-255 sec. system reset
- ◆ **Power Supply**  
+12V only, AT/ATX support
- ◆ **Power Consumption**  
+12V@ 0.92A  
(AMD LX800 with DDR 400MHz 256MB RAM)
- ◆ **Temperature**  
Operation: 0 ~ 60° C (32 ~ 140° F)
- ◆ **Humidity**  
Operation: 5% ~ 95%, non-condensing
- ◆ **Dimension**  
115mm x 165 mm
- ◆ **Weight**  
GW: 950g; NW: 350g

## NANO-LX TTL/LVDS LCD Support

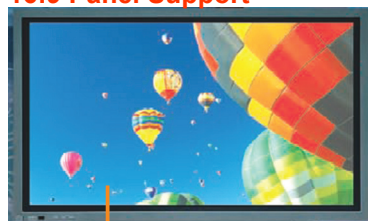
NANO-LX provides both TTL and LVDS LCD connectors to connect various LCD panels with 12V inverter connectors for panel power input.



20-pin, 18-bit  
LVDS Connector

TTL 40-pin connector supports  
a 18-bit LCD panel

### 16:9 Panel Support



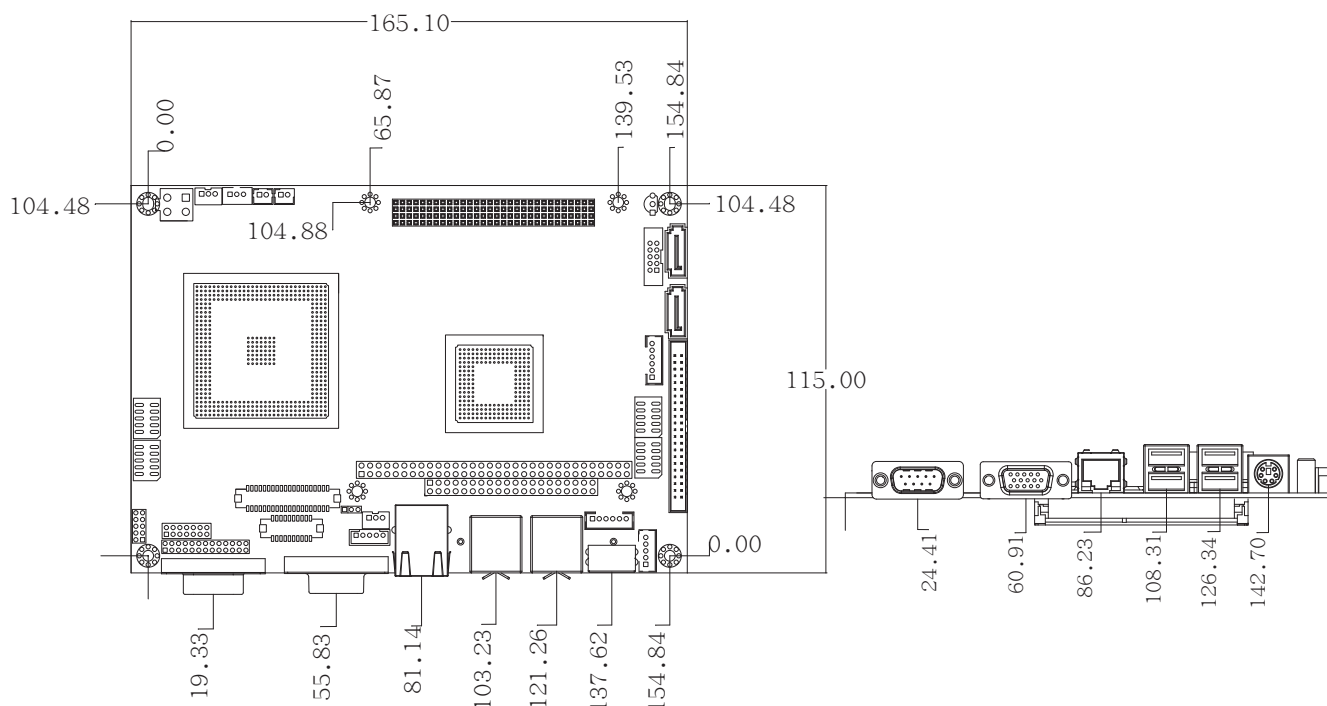
Direct LCD Support by  
NANO 12V DC Input



11.04 Watt

+12V Power Input

## Dimension



## Packing List

1 x NANO-LX single board computer	2 x 2.0 Pitch single RS-232 port cable w/o BK (P/N: 32200-000049-RS)
1 x IDE flat cable 44p/44p ( P/N: 32200-000009-RS)	1 x Keyboard/ PS2 mouse cable ( P/N: 32000-000138-RS)
1 x Audio cable ( P/N: 32000-072100-RS)	1 x Mini jumper pack
2 x SATA cable ( P/N: 32000-062800-RS)	1 x Utility CD
1 x SATA power cable ( P/N: 32100-088600-RS)	1 x QIG (quick installation guide)

## Ordering Information

Part No.	Description
NANO-LX-800-R10	EPIC SBC AMD LX800 500MHz processor CRT, LCD/LVDS, LAN, SATA & Audio
32200-015100-RS	LPT cable
32200-026500-RS	2.0 Pitch RS-232 and RS-422/485 ports cable w/o BK



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