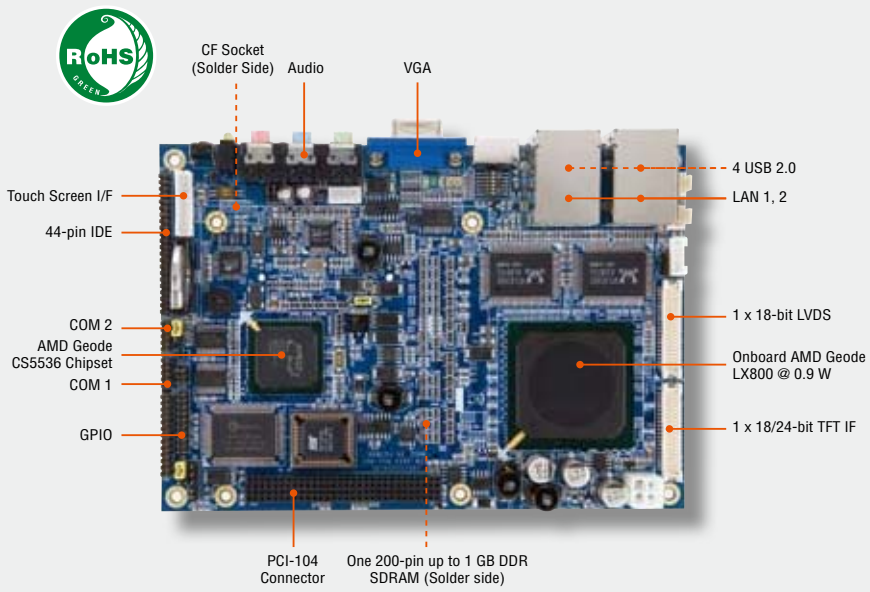
EPI-LX800

AMD Geode LX800 @ 0.9 W EPIC Module



Features

- Onboard AMD Geode LX800 @ 0.9 W 500 MHz with 128K L2 Cache CPU
- One 200-Pin SODIMM up to 1 GB DDR SDRAM
- Dual View, TFT, LVDS
- 2-CH Audio
- Dual Realtek RTL8100C 10/100Mbps LAN
- Optional Realtek RTL8110S GigaLAN
- 1 PCI-104, 1 Type I/II CF
- 2 COM, 4 USB 2.0, 16-bit GPIO
- Single +12 V Power Input

LX800 @ 0.9 W | Dual View | Touch Screen | 2 LAN | 16 GPIO | PCI-104 | 4 USB | Single +12 V

Specifications

System

• **CPU**	Onboard AMD Geode LX800 @ 0.9 W 500 MHz with 128K L2 cache
• **BIOS**	Award 512 KB 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 266/333/400 SDRAM
• **SSD**	One CompactFlash Type I/II socket
• **Watchdog Timer**	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
• **Expansion**	1 PCI-104

I/O

• **MIO**	1 x EIDE (Ultra DMA 100), 1 x LPT, 1 x RS-232, 1 x RS-232/422/485, 1 x K/B & Mouse
• **IrDA**	115k bps, IrDA 1.0 compliant
• **USB**	4 x USB 2.0 ports
• **DIO**	16-bit General Purpose I/O for DI and DO

Display

• **Chipset**	AMD Geode LX800 with integrated graphics engine
• **Display Memory**	8/16/32/64/128/254 MB frame buffer using system memory
• **Resolution**	CRT mode: 1920 x 1440 @ 32 bpp (85 Hz) TFT mode: 1600 x 1200 @ 32 bpp (60 Hz)
• **Multiple Display**	CRT + LVDS
• **VGA/LCD Interface**	Supports 18/24-bit TFT panel
• **LVDS**	Single channel 18-bit LVDS

Built-in Touch Screen (Optional)

• **Chipset**	PenMount DMC9000
• **Touch Screen Interface**	With 9-pin 2 mm box header (can be selected to support 4/5/8-wire touch screen)

Audio

• **Chipset**	AMD Geode CS5536
• **AC97 Codec**	Realtek ALC203 supports 2-CH Audio
• **Audio Interface**	Mic in, Line in, CD Audio in, Line out

Ethernet

• **LAN 1**	Realtek RTL8100C
• **LAN 2**	Realtek RTL8100C Optional Realtek RTL8110S GigaLAN
• **Ethernet Interface**	100Base-Tx Fast Ethernet compatible: Realtek RTL8100C 1000Base-T Gigabit Ethernet compatible: Realtek RTL8110S

Mechanical & Environmental

• **Power Requirement**	+12 V @ 0.91 A (with AMD LX800 500 MHz & 512 MB DDR SDRAM)
• **Power Type**	AT / ATX
• **Operating Temperature**	0~60°C (32~140°F)
• **Operating Humidity**	0%~90% relative humidity, non-condensing
• **Size (L x W)**	4.5" x 6.5" (115 mm x 165 mm)
• **Weight**	0.51 lbs (0.23 kg)

Ordering Information

- **EPI-LX800**
  AMD Geode LX800 @ 0.9 W EPIC Module with TFT, LVDS, Audio, LAN, CF, PCI-104, 2 COM, 4 USB 2.0, GPIO
- **ACC-CF-xx**
  CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4 GB)
- **ACC-MEM-xx**
  Memory Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1 GB)