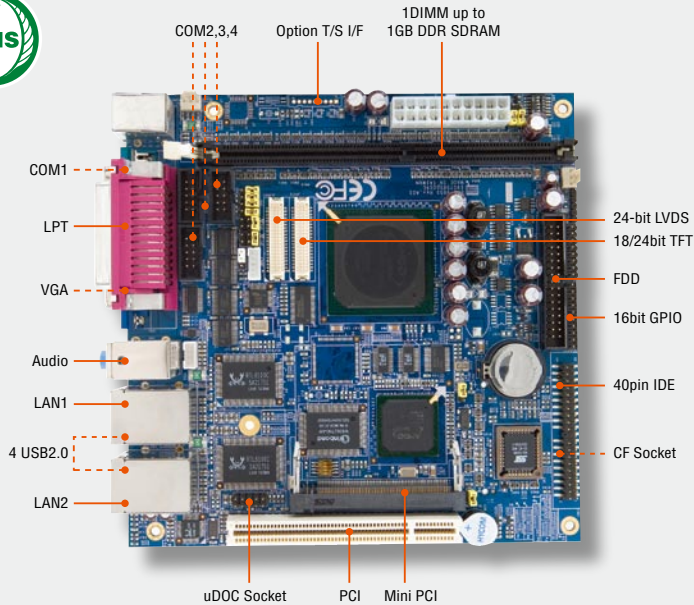


# EMB-9655 AMD Geode LX800 @ 0.9 W Mini ITX Main Board



## Features

- Onboard AMD Geode LX800 @ 0.9 W with 128K L2 Cache CPU
- AMD Geode CS5536 Chipset
- One DIMM up to 1 GB DDR SDRAM
- TFT, LVDS, Optional Built-in Touch Screen I/F
- Dual Realtek RTL8100C 10/100Mbps LAN
- Optional Dual Realtek RTL8110S 1000Mbps LAN
- 1 PCI, 1 Mini PCI, Type I/II CF
- 4 COM, 4 USB 2.0, 16-bit GPIO

Ideal platform for entry level POS & thin client system

LX800 @ 0.9W

LVDS

Touch Screen

Dual LAN

16 GPIO

Fanless

## Specifications

### System

• CPU	Onboard AMD Geode LX800 @ 0.9 W 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 184-pin DIMM 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
• H/W Status Monitor	Monitoring CPU temperature, voltage, and cooling fan status.
• Expansion	One PCI slot (PCI Rev. 2.2 compliant), one Mini PCI slot

### I/O

• MIO	1 x EIDE (Ultra DMA 100), 1 x FDD, 1 x LPT, 3 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 (60Hz)
• Multiple Display	CRT + LVDS, CRT + TFT
• LVDS	Single channel 24-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

• AC97 Codec	Realtek ALC203 supports 2 CH Audio
• Audio Interface	Mic in, Line in, CD audio in, Line out

### Ethernet

• LAN	Dual Realtek RTL8100C Optional Dual Realtek RTL8110S
• Ethernet Interface	100Base-Tx Fast Ethernet compatible: Realtek RTL8100C 1000Base-T Fast Ethernet compatible: Realtek RTL8110S

### Mechanical & Environmental

• Power Consumption	+5 V @ 0.84 A, +12 V @ 0.06 A, +3.3 V @ 0.37 A, 5 Vsb @ 0.02 A (with AMD LX800 500 MHz & 512 MB DDR SDRAM)
• Power Type	ATX
• Operating Temperature	0~60°C (32~140°F)
• Operating Humidity	0% ~ 90% relative humidity, non-condensing
• Size (L x W)	6.69" x 6.69" (170 mm x 170 mm)
• Weight	0.88 lbs (0.4 Kg)

## Ordering Information

### • EMB-9655 (\*Special Promotion)

AMD Geode LX700 @ 0.8 W with 128K L2 Cache Mini ITX Main Board with VGA, LVDS, Audio, Dual LAN, CF, PCI, Mini PCI, 4 COM & 4 USB 2.0

### • EMB-9655-L08

AMD Geode LX800 @ 0.9 W with 128K L2 Cache Mini ITX Main Board with VGA, LVDS, Audio, Dual LAN, CF, PCI, Mini PCI, 4 COM & 4 USB 2.0

### • ACC-CF-xx

CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4 GB)

\*For special promotion item, sold out without notice