



Features

- Onboard AMD Geode LX800 @ 0.9W 500MHz CPU
- AMD Geode LX800/CS5536 Chipset
- Onboard 256MB Memory (Optional Up to 512MB)
- Single-channel 18-bit LVDS, 2-CH Audio, TTL
- Dual Realtek RTL8101L LAN
- 1 CF, 1 PC/104, 2 COM, 2 USB, 8-bit GPIO
- Optional Built-in Touch Screen Interface
- Fanless Operation
- Wide Voltage: +12V ~ +20V

Embedded System

Qseven Module

COM Express /ETX/XTX

3.5" SBC

EPIC

5.25" SBC

ATX

Micro ATX

Mini ITX

Nano ITX

Rack Mount System

Mini ITX System

Peripherals

Index



Specifications

System

CPU	Onboard AMD Geode LX800 @ 0.9 W 500MHz CPU
BIOS	Award 4Mbit Flash BIOS
System Chipset	AMD Geode LX800/CS5536
I/O Chip	Winbond W83627HG-AW
System Memory	Onboard 256MB DDR Memory, Optional 512MB
SSD	One CompactFlash Type I/II Socket
Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature, Voltage with Auto Throttling Control
Expansion	1 x PC/104

I/O

MIO	1 x EIDE (Ultra DMA 100), 1 x RS-232, 1 x RS-232/422/485, 1 x KB & Mouse, 1 x LPT
IrDA	115Kbps, IrDA 1.0 Compliant
USB	2 x USB 2.0
DIO	8-bit General Purpose I/O for DI and DO

Display

Chipset	AMD Geode LX800 Integrated
Display Memory	8/16/32/64/128/256MB Frame Buffer Using System Memory
Resolution	CRT Mode: 1920 x 1440 @ 32bpp (85Hz) TFT: 1600 x 1200 @ 16bpp (60Hz)
Multiple Display	CRT + LVDS, CRT + TTL
LCD Interface	Support 18/24-bit TFT Panel
LVDS	Single-channel 18-bit LVDS (Optional 24-bit)

Built-in Touch Screen (Optional)

Chipset	PenMount 6000
Touch Screen Interface	With 9-pin 2mm 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, Audio-in, Line-out

Ethernet

LAN	Dual Realtek RTL8101L
Ethernet Interface	10/100 Base-Tx Fast Ethernet Compatible

Mechanical & Environmental

Power Requirement	+10V ~ +24V
Power Type	Single Power AT/ATX
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Size (L x W)	5.7" x 4" (146mm x 101mm)
Weight	0.44lbs (0.2kg)

Ordering Information

ECM-LX800D

AMD Geode LX800 3.5" Micro Module with AMD Geode LX800 + CS5536 Chipset and LVDS, Audio, Dual LAN, CF, PC/104, 2 COM, 2 USB, 8-bit GPIO

ACC-CF-xx

CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512MB, 1, 2, 4, 8GB)