



## Features

- Onboard AMD LX800 BGA Processor
- AMD CS5536 Chipset
- Onboard 256MB DDR Memory; Optional Onboard 512MB DDR Memory
- Single Channel 18bit LVDS, AC 97
- Realtek RTL 8101L LAN
- 4 x PCI, 1 x ISA Bus, 2 x SATA, 4 x USB, 2 x COM
- Fanless Operation



## Specifications

### System

<b>Processor</b>	AMD Geode LX800 1-Core 500MHz processor
<b>System Chipset</b>	AMD Geode LX800/CS5536
<b>System Memory</b>	Onboard DDR 256MB up to 512 GB
<b>BIOS</b>	Award 4Mbit Flash BIOS

### Expansion & Storage

<b>Expansion</b>	4 x PCI 1 x ISA
------------------	--------------------

### I/O

<b>USB</b>	4 x USB 2.0
<b>SATA</b>	2 x SATA Ports to Baseboard
<b>Other</b>	2 x EIDE 1 x IrDA
<b>MIO</b>	1 x FDD/LPT 1 x I2C 2 x TTL Serial 1 x PS2/ KB & MS

### Display

<b>Chipset</b>	AMD Geode LX800 Integrated Graphics
<b>Resolution</b>	LVDS : 1600 x 12000 @ 60Hz VGA : 1920 x 1440 @ 60Hz
<b>LVDS</b>	Dual Channel 24-bit LVDS
<b>Multiple Display</b>	VGA+LVDS



### Audio

<b>Chipset</b>	AMD Geode LX800 Integrated
<b>Interface</b>	Mic-In, Line-In and Line-Out

### Ethernet

<b>LAN Chip</b>	Realtek RTL8101L
<b>Ethernet Interface</b>	10/100/1000 Base-Tx GbE compatible

### Mechanical & Environmental

<b>Power Requirement</b>	+5V
<b>ACPI</b>	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
<b>Power Type</b>	AT/ATX
<b>Operating Temperature</b>	0°C ~ 60°C (32°F ~ 140°F)
<b>Storage Temperature</b>	-40°C ~ 75°C (-40°F ~ 167°F)
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Size (L x W)</b>	4.5" x 3.7" (114mm x 95mm)

### Certification & Software Support

<b>Certification</b>	CE, FCC Class B
<b>OS Information</b>	Win XP, Win 2000, Linux, Win CE

## Ordering Information

- EEV-EX03-A1R  
MicroATX Ev. Board for SOM-ETX A1
- ESM-LX800-A1R  
AMD Geode LX-800 500MHz W/18bit LVDS/Onboard 256 DDR ETX Module
- ESM-LX800-A1DR  
AMD Geode LX-800 500MHz W/18bit LVDS/Onboard 512 DDR ETX Module