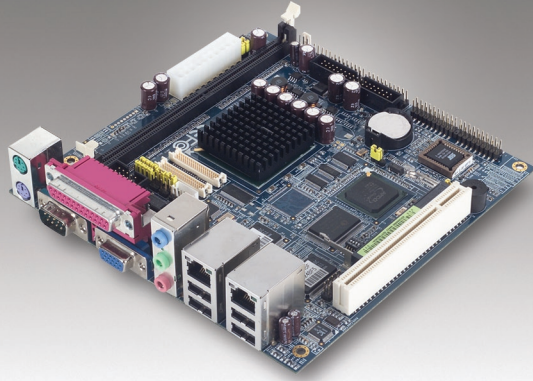


# AIMB-220

## Fanless AMD Geode™ LX800 Mini-ITX Motherboard with 4 COM and Dual LAN

**NEW**



### Features

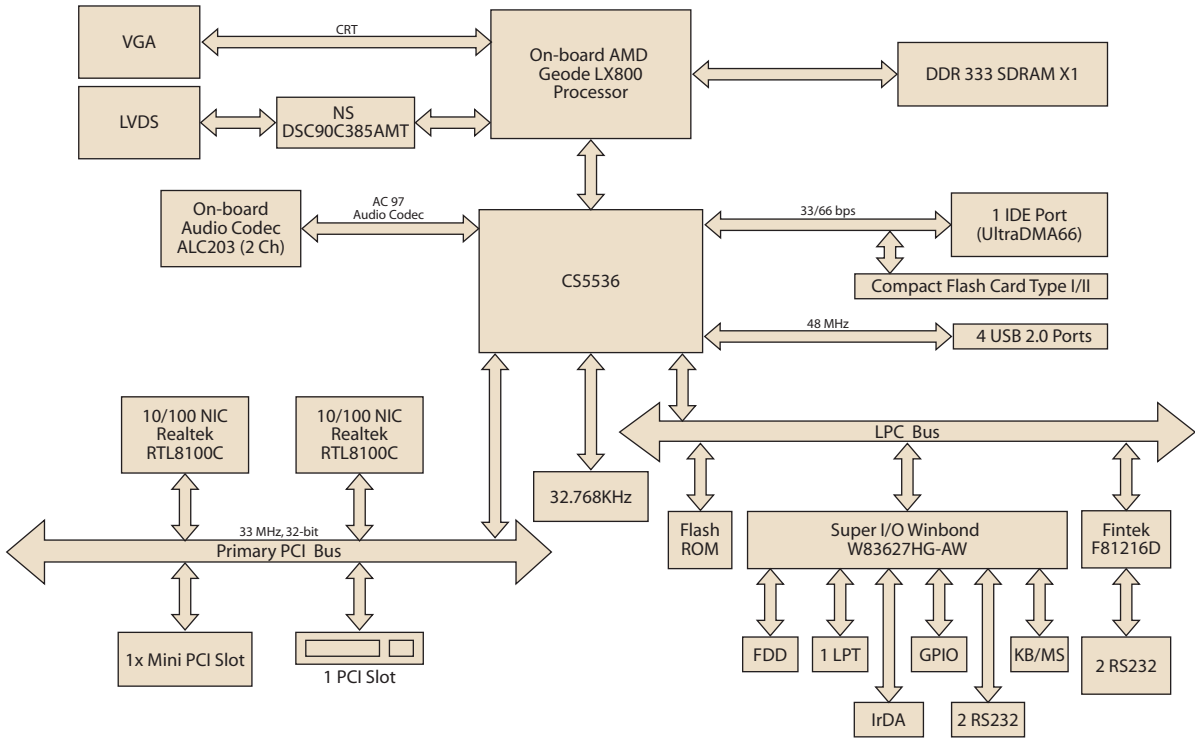
- Onboard AMD Geode™ LX800 with 128 KB L2 Cache & 64 KB L1 Cache CPU
- AMD Geode CS5536 Companion Chip
- One DIMM socket supports up to 1 GB DDR 333 SDRAM
- Support 24-bit LVDS and 18/24-bit TTL LCD
- Dual Realtek™ RTL8100C 10/100Mbps LAN
- One PCI, one Mini PCI, Type I/O CF
- Four COM, four USB 2.0



### Specifications

Processor System	CPU	Onboard AMD Geode LX 800		
	Max. Speed	500 MHz		
	Front Side Bus	133 MHz		
	Cache	128 KB L2 Cache & 64 KB L1 Cache		
	Chipset	AMD Geode LX800 CS5536		
	BIOS	Award™ 4 Mb		
Expansion Slot	PCI	32-bit/33 MHz, 1 slot		
	Mini-PCI	32-bit/33 MHz, 1 slot		
Memory	Technology	DDR 333 SDRAM		
	Max. Capacity	1GB		
	Socket	One 184-pin DIMM socket		
Graphic	Controller	Chipset Integrated VGA Controller		
	VRAM	Shared system memory up to 32 MB video memory		
	LVDS	Single channel 24-bit LVDS		
	TTL LCD	Support 18/24-bit		
	Dual Display	CRT + LVDS, CRT + TTL LCD		
Ethernet	Interface	10/100Base-T		
	Controller 1	LAN 1 Realtek RTL8100C LAN		
	Controller 2	LAN 2 Realtek RTL8100C LAN		
	Connector	2 (RJ-45)		
EIDE	Mode	EIDE (Ultra DMA 66)		
	Channel	1		
Rear I/O	VGA	1		
	Ethernet	2		
	USB	4		
	Audio	Mic-In, Line-In, Line-Out (Realtek ALC203 supports 2 CH AC97 Audio)		
	Parallel	1		
	Serial	1 (RS-232), supply 5 V or 12 V via jumper		
	PS/2	2 (1 x keyboard and 1 x mouse)		
Internal Connector	LVDS	1		
	Serial	3		
	IDE	1		
	Compact Flash	1		
	IrDA	115k bps, IrDA 1.0 compliant		
	FDD	1		
	DIO	16-bit General Purpose I/O for DI and DO		
Watchdog Timer	Output	Interrupt, system reset		
	Interval	Programmable 1 – 255 sec		
Power Requirement	Typical	AMD Geode LX 800 500 MHz, 1 GB DDR SDRAM		
		+3.3 V	+5 V	+12 V
	0.516 A	1.293 A	0.122 A	0.067 A
Environment	Operating			
	Temperature	0 ~ 60° C (32 ~ 140° F)		
Physical Characteristics	Dimensions	170 mm x 170 mm (6.69" x 6.69")		

### Board Diagram



### Ordering Information

Part Number	Specification
AIMB-220F-Q0A1E	AMD Geode LX800 500 MHz Mini-ITX Motherboard with VGA, LVDS, Audio, Dual LAN, CF, PCI, Mini PCI, 4 COM & 4 USB 2.0 & GPIO

### Packing List

Description	Quantity
AIMB-220 SBC	x 1
IDE HDD cable (40 pin)	x 1
FDD cable	x 1
CPU Cooler	x 1
I/O port bracket	x 1
Startup Manual	x 1
Driver CD	x 1
Serial cable (RS-232)	x 3

### Bracket View



AIMB-220F-Q0A1E