

AIMB-220

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

NEW



Features

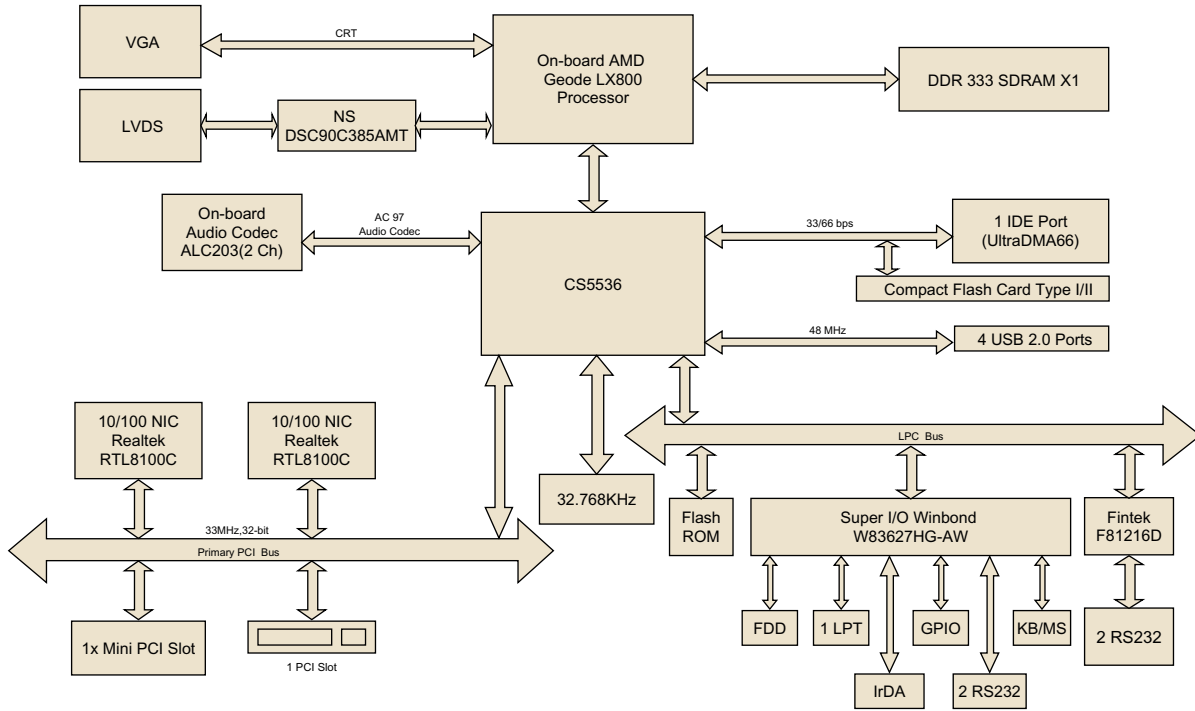
- Onboard AMD Geode™ LX800 with 128 KB L2 Cache & 64 KB L1 Cache CPU
- AMD Geode CS5536 Companion Chip
- One DIMM socket supports up to 1 GB DDR 333 SDRAM
- Single channel 18-bit LVDS
- Dual Realtek™ RTL8100C 10/100Mbps LAN
- One PCI, one Mini PCI, Type I/II CF
- Four COM, four USB 2.0



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/33MHz, 1 slot			
	Mini-PCI	32-bit/33MHz, 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 18-bit			
	Dual Display	CRT + LVDS			
Ethernet	Interface	10/100Base-T			
	Controller 1	LAN 1 Realtek RTL8100C LAN			
	Controller 2	LAN 2 Realtek RTL8100C LAN			
	Connector	2 (RJ45)			
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	5 VSB
	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")			

Block 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



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