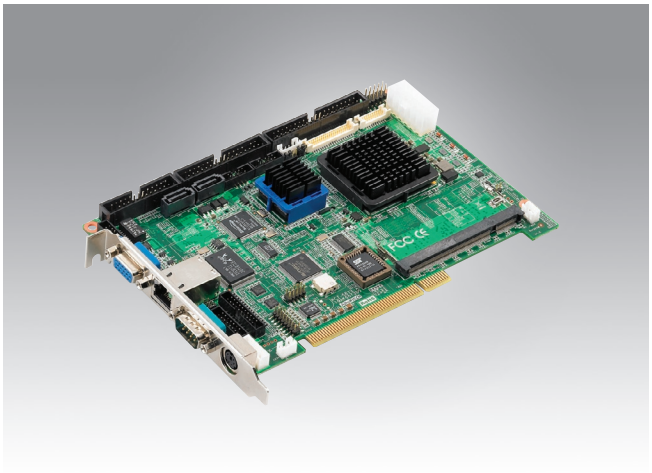
PCI-6873

AMD Geode™ LX800 PCI Half-sized SBC with VGA/LCD/LVDS/LAN/SATA and SSD



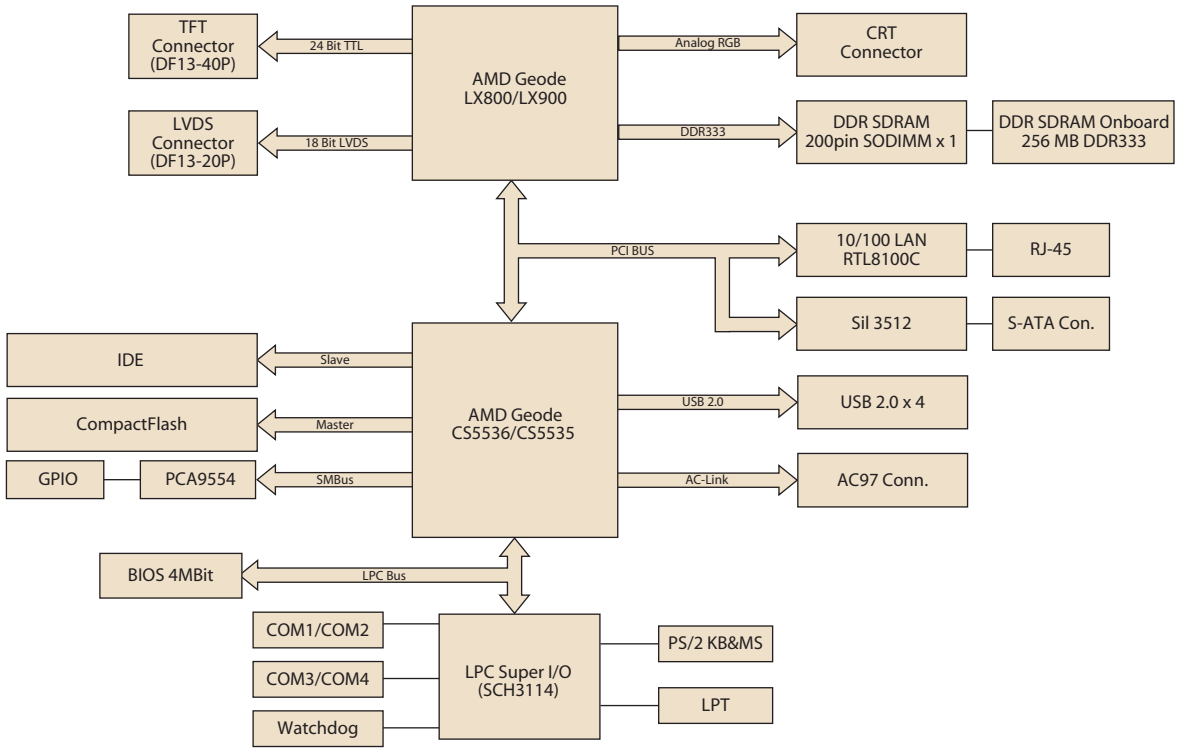
Features

- Built-in AMD Geode™ LX800, 500 MHz CPU
- Supports 266/333 MHz DDR SODIMM, up to 1 GB
- On board 256 MB DDR SDRAM
- Supports 10/100Base-T Ethernet
- Supports up to two Serial ATA devices
- Four COM ports
- Four USB 2.0 ports

Specifications

Processor System	CPU	AMD Geode™ LX800	
	Max. Speed	500 MHz	
	L2 Cache	128 KB	
	Chipset	AMD Geode CS5536	
	BIOS	Award 4M bits FWH	
Bus	Front Side Bus	500 MHz	
	PCI	32bit/33 MHz PCI	
	ISA	N/A	
Memory	Technology	266/333 MHz DDR SODIMM	
	Max. Capacity	1 GB (PCI-6873F and PCI-6873L support up to 256 MB on board memory)	
	Socket	200-pin SODIMM x 2	
Graphics	Controller	Chipset integrated VGA controller	
	VRAM	Shared with system memory up to 64MB	
	LVDS	Single channel 18-bit LVDS, by Hirose DF13, 20 pin connector	
	TTL	Support 24bit TTL, resolution up to 1600 x 1200 @ 32 bpp at (100 Hz)	
	Dual Display	CRT+LVDS, CRT+TTL	
Ethernet	Interface	10/100Base-T	
	Controller	LAN1: RTL8100C (via RJ45)	
	Connector	RJ45 with LED connector	
EIDE	Mode	ATA 100/66/33	
	Channel	1 (support up to 2 IDE devices)	
SATA (150MB/s)	port	2 ports	
I/O Interface	USB	4 ports (USB 2.0/1.1 compliant) by 2.0 mm pitch Box Header	
	Serial	3 (RS-232) / 1 (RS-232/RS-422/RS-485) by 2.0 mm pitch Box Header	
	Parallel	1 (EPP/ECP/SPP)	
	FDD	1	
	PS/2	1 (for mouse and Keyboard, Y cable included)	
Watchdog Timer	Output	system reset	
	Interval	Programmable 1-255 sec	
Miscellaneous	Audio Output	AC97 audio interface (requires an audio extension module P/N: PCM-231A-00A1E)	
	Solid State Disk	Compact Flash socket (Type I/II), shared with primary IDE channel and occupies IDE master.	
Power Requirement	Typical	AMD LX800 with DDR333 512 MB SDRAM	
		+12 V (0.07 A)	+5 V (1.42 A)
	Max	AMD LX800 with DDR333 512 MB SDRAM	
		+12 V (0.07 A)	+5 V (1.64 A)
Environment	Temperature	Operating	Non-Operating
		0 ~ 60° C	- 20 ~ 70° C
Physical	Dimensions	185 mm (L) x 122 mm (W) (7.3" x 4.8")	

Board Diagram



Ordering Information

Part Number	Onboard Memory	FE LAN	SATA	TTL	LVDS
PCI-6873F-L0A1E	256 MB	RTL8100C	2	1	1
PCI-6873L-L0A1E	256 MB	RTL8100C	0	1	-
PCI-6873PZ2-L0A1E	-	RTL8100C	2	1	1

Bracket View

PCI-6873F-L0A1E
PCI-6873L-L0A1E
PCI-6873PZ2-L0A1E

Packing List

Part Number	Description	Quantity
1701340705	FDD cable	x 1
1701400607	IDE HDD cable (40P 60 cm)	x 1
1700003194	Serial SATA HDD data cable	x 1
1703150102	Serial SATA HDD power cable	x 1
1700008887	USB cable with 4 ports (2.0 mm pitch)	x 1
1700008891	Printer (2.54 mm pitch) + RS-232 (2.0 mm pitch) cable w/ bracket	x 1
1700060202	Y Cable for PS/2 Keyboard, PS/2 Mouse	x 1
1700002343	ATX feature cable	x 1
1700000265	Power cable	x 1
9689000002	Jumper pack	x 1
-	Startup manual	x 1
-	Utility CD	x 1

Accessories

Part Number	Description
IPC-644BP-15ZE	4-slot chassis w/ 150W power supply
IPC-6806SB-15ZBE	6-slot chassis w/ 150W power supply
1701260301	Parallel port cable
CF-HDD-ADP	CompactFlash 50-pin to IDE 44-pin adapter
PCM-231A-00A1E	Audio module with Line-in, Line-out, Mic
1701140201	COM2 (RS-232/422/485) cable (2.0 mm pitch)
1700001166	COM3 & 4 cable with bracket (2.0 mm pitch)
1701400452	IDE HDD cable (80P)