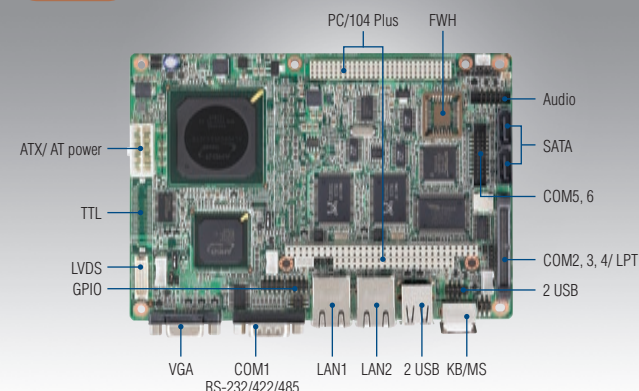


PCM-4373

**AMD LX800 EPIC SBC with Dual LAN/
LVDS/ TTL/ VGA/ 6 COM/ 2 SATA**

NEW



Features

- AMD low power LX800 500 MHz processor
- Total Platform Power Consumption under 10 W
- Display Combination: CRT + 18-bit LVDS, or CRT + 24-bit TTL
- Dual 10/100 Mbps Ethernet
- Supports ATX/AT power modes (5 V only bootup)
- AC97 Audio on board
- Supports PC/104 Plus (PCI + ISA)
- 6 COM ports (4 x RS-232/2 x RS-232/422/485, supports auto flow control)



Specifications

Processor System	CPU	AMD Geode™ LX800 processor, up to 500 MHz
	L2 Cache	128 KB L2 cache
	Chipset	AMD Geode LX800 + AMD Geode CS5536
	BIOS	Award 4-Mbit
Memory	Technology	DDR 266/333/400 MHz
	Max. Capacity	1GB
	Socket	1 x 200-pin SODIMM
SSD	CompactFlash	Card Type I, Type II
Coastline I/O	VGA	1
	COM	1 (RS-232/422/485) (Support Auto flow control)
	LAN	2
	USB	2
	KB/MS	1
I/O Interface	LPT	1
	RS-232	4
	RS-232/422/485	1 (Supports Auto flow control)
	USB	2 x USB 2.0
	Audio	AC97, Line-in, Line-out, Mic-in
	GPIO	16-bit general purpose input/output
SATA	Max. Data Transfer Rate	150 MB/s
	Channel	2
Expansion Slot	PC/104 Plus	1 (PCI+ 16-bit ISA (No ISA DMA))
Ethernet	Speed	10/100 Mbps
	Controller	2 x Realtek RTL8100CL-LF
	Interface	2 x RJ-45
Display	Controller	AMD Geode LX800
	VRAM	Optimized Shared Memory Architecture up to 64 MB system memory
	LVDS LCD	1 x 18-bit LVDS
	TTL	1 x 24-bit TTL
Environment	CRT	1 x CRT
	Operating Temperature	0 ~ 60° C (32 ~ 140° F), Z : -20 ~ 80° C (-4 ~ 176° F) (Optional)
Power	Operating Humidity	0% ~ 90% relative humidity, non-condensing
	Power Type	AT / ATX
	Power Supply Voltage	ATX: +5 V ± 5%, ±12 V ± 5%, 5 VSB AT: 5 V only to boot up, 12 V option for LCD Inverter and PC/104+
	Power Consumption Typical (XP)	5 V: 1.45 A (Geode LX800 with DDR333 1 GB)
	Power Consumption Max, Test in HCT	5 V: 1.66 A (Geode LX800 with DDR333 1 GB)
	Power Management	APM, ACPI
	Battery	Lithium 3 V / 196 mAH
	Output	System reset
Watchdog Timer	Interval	Programmable 1 ~ 255 sec
Physical Characteristics	Dimensions (L x W)	115 x 165 mm (4.5" x 6.5")
	Weight	0.35 kg (0.77 lb) (with Heatsink)

www.DataSheet4U.com

www.DataSheet4U.com

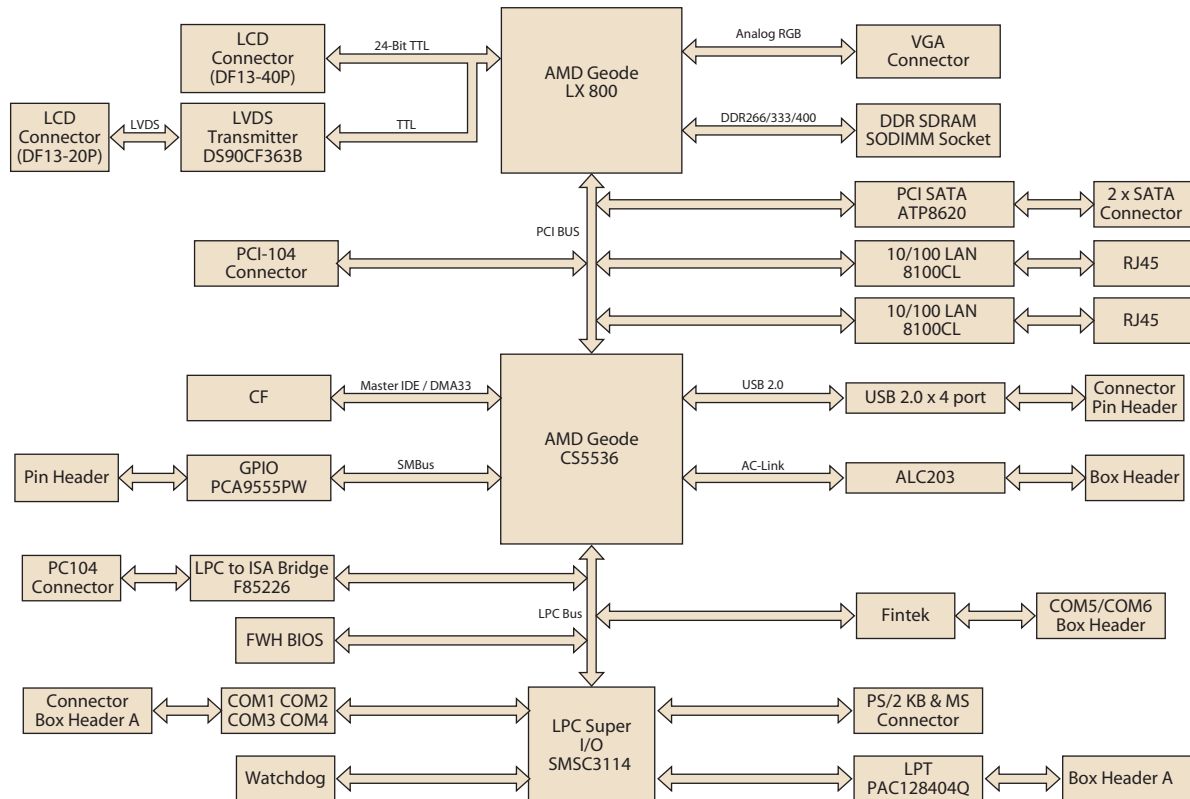
ADVANTECH

Embedded Single Board Computers

All product specifications are subject to change without notice

Last updated : 27-Mar-2009

Board Diagram



Ordering Information

Number	Chipset	L2 cache	LAN	TTL	LVDS	VGA	USB 2.0	RS-232	RS-232/422/485	GPIO	LPT	CF	SATA	Audio	PC/104 Plus	PC/104 Plus	Thermal Solution
PCM-4373L-J0A1E	AMD LX800	128 KB	1 FE	24-bit	-	1	4	2	2	-	1	1	2	-	1	0 - 60° C	Passive
PCM-4373F-J0A1E	AMD LX800	128 KB	2 FE	-	18-bit	1	4	4	2	16-bit	1	1	2	Yes	1	0 - 60° C	Passive

Optional Accessories

Part No.	Description
PCM-410C-00A1E	COM/LPT daughter board for EPIC
1701200220	Cable for 2 COM ports 20P 22 cm
1703150102	Wire BIG4P/Serial ATA power 15P 10 cm
1703040157	Wire RS-422/485 4P to D-SUB 15 cm

Packing List

Part No.	Description	Quantity
9689000002	PCM-4373 SBC	1
	Mini Jumper Pack	1
	Startup Manual	1
	Utility CD	1
1700002034	FLAT Cable 50P 20CM 3COM & LPT	1
1700002055	ATX power cable 20P/10P 10 cm	1
1700003931	AT power cable	1
1700060202	PS/2 KB & MOUSE CABLE 6P-6P-6P 20 cm	1
1700001267	CABLE USB x 2/10-2.0 mm 29 cm	1
1700008894	CABLE SERIAL ATA 7P/7P 30 cm	2
1700008902	Audio Cable IDC-10P 2.0 mm 15 cm	1