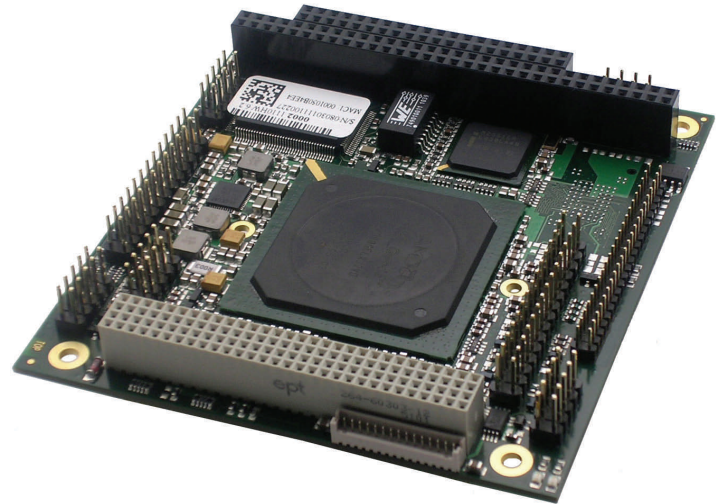




### ADLLX8PC - AMD Geode™ LX800

#### Features

- AMD Geode™ LX800
- 500MHz
- Power Management (ACPI 2.0 & APM 1.2)
- SoDIMM200 up to 1GB DDR-400
- Optional On-Board SSD Flash Up To 8GB
- Built In Geode LX800 @ 0.9W
- CRT/LCD On-Board
- 10/100 Base-T LAN-Ethernet
- 4x USB V2.0 Ports
- EIDE Hard Disk Interface
- COM1, COM2, LPT1
- RTC and Watchdog Timer
- AC97 Sound Interface (in & out)
- Single 5VDC Power Supply
- PC/104-Plus BUS Connector



#### Ordering Information

Item Codes	Part#	Description
ADLLX8PC-F0	292035	LX800 16-Bit ISA PC/104-Plus No Flash
ADLLX8PC-F2	292033	LX800 16-Bit ISA PC/104-Plus w/2GB Flash
ADLLX8PC-F4	292036	LX800 16-Bit ISA PC/104-Plus w/4GB Flash
ADLLX8PC-F8	292037	LX800 16-Bit ISA PC/104-Plus w/8GB Flash
<b>Cooling Options</b>		
ADLTS1LX	292055	Heat Sink, passive
ADLTS2LX	292056	Heat Spreader, .6"
ADLTS3LX	292057	Heat Spreader, 1"
<b>Standard Memory Options</b>		
DDR-DRAM128-3	994715	128MB DDR333 for 855/LX800
DDRRAM256-3LX	994823	256MB DDR333 for 855/LX800
DDR-DRAM512-3LX	994923	512MB 333MHz DDR
DDR-DRAM1024-3LX	994023	1024MB 333MHz DDR
<b>Extended Temp, Memory Options</b>		
DDR-DRAM256-3EX	994828	256MB 333MHz DDR -40° to +85° C
DDR DRAM512-3EX	994928	512MB 333MHz DDR -40° to +85° C
DDR-DRAM1024-3EX	994028	1024MB 333MHz DDR -40° to +85° C
<b>Accessories and Options</b>		
ADL855PC-CK	293045	Dev. Cable Kit, or ADL855/LX8PC
ADLCF-II-S	989010	Compact Flash to IDE Type II Single
ADLCF-II-D	989020	Compact Flash to IDE Type II Dual
ADLPS104CF	293017	PC/104+ Pwr Supply, +7-28VDC IN, 5VDC OUT.

Other options may be available

#### Description

The ADLLX8PC is based on the AMD Geode™ LX800 embedded processor, with clock speed of 500MHz. It incorporates the full functionality of much larger boards into the compact and expandable form factor of PC/104-Plus. At just 96mm x 90mm in size with a processor power load as little as 0.9W, the ADLLX8PC is ideal for space constrained rugged, mobile and remote applications.

The graphics controller is integrated into the AMD Geode™ chipset and can drive either a CRT through the VGA port, or LCD by way of an 18-bit LVDS interface. Up to 1GB of DDR-400 SDRAM can be installed into the SoDIMM200 socket. The ADLLX8PC power management incorporates ACPI/APM functions. The standard ADLLX8PC also incorporates PCI 2.2 Bus, EIDE, 4xUSB 2.0, 2xRS232 COM ports, PS/2 Keyboard and Mouse, parallel Printer, AC97 compatible sound with SPDif In/Out, 10/100Mbit LAN and more. Optionally, the ADLLX8PC may be equipped with built-in SSD flash. This option will dramatically reduce the overall system footprint by providing a means of full system operation without the need for any type of external media connection. The ADLLX8PC meets all PC/104-Plus electrical specifications, so it can be "dropped-in" to any compliant system without changes. With its fast processor and its low power consumption, the ADLLX8PC is ideal for embedded semi-custom solutions.

Data is subject to change without notice



### Technical Specifications

FEATURE	FUNCTION	REMARKS	OPTIONS
Item code	ADLLX8PC		
CPU	Geode LX800		
2nd Level Cache	128KB		
Performance (MHz)	500MHz		
BIOS	Phoenix Award 6.1		
Power Management	ACPI 2.0 / APM 1.2	Power states S0, S4, S5 supported	
DRAM Min-Max (MB)	SoDIMM200 512MB-1GB DDR400		128MB and 256MB available on request
Mouse, Keyboard	PS/2, USB		
Floppy Interface	Shared interface with LPT		
IDE Interface*	PATA (EIDE)	PIO 0/1/2/3/4 - DMA33/66/100, Primary Only	*Optional On-Board SSD Flash Up To 8GB
COM1	RS232	RS422/485 optional	
COM2	RS232	RS422/485 optional	
COM3	-		
COM4	-		
LPT1	Shared interface with FDC	Uni/ECP/EPP/FDC	
USB	4x USB 1.1 / 2.0	USB 1-3 cfg HOST, USB 4 cfg DEVICE	
LAN	Intel® 82551ER	10/100 Base-T	
Audio	AC97:AMD CS5536 / Realtek ALC655	Anlg In: Lin/Mic/PC Beep, Anlg Out:Lin, SPDif In/out	
Video Controller	Geode LX800		
Video Memory	254MB		
CRT Video	1920 x 1440 max resolution		
LCD Interface	18-Bit LVDS		
LCD Resolution	1600 x 1200 max		
Video Input	-		
EEPROM Support	yes		
Watchdog	yes		
other	TPM Interface		
Power Consumption	1.48A - 1.50@ +5VDC (Typical)**	**Typical value applies to all models using 256MB - 1GB RAM with passive/active cooling solutions	
Cooling Type	Passive.		
Operating Temp.	-20°C to +70°C		
Extended Temp.	Optional -40°C to +85°C		Part # 290000
Dimensions:	3.6" x 3.8" (90mm x 96mm)		

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