

cPCI-3600 Series

3U CompactPCI® Processor Blade with AMD Geode™ LX 800 @ 0.9W ⚡



Features

- Low Power AMD Geode™ LX 800 @ 0.9W
- Optional 256 MB soldered DDR and additional 200-pin SODIMM socket
- VGA or CRT on front or rear supporting up to 1920 x 1440 32-bit resolution
- Supports two USB 2.0, two Fast LAN, two serial ports and AC'97 Audio
- IDE, CompactFlash® and Rear Floppy storage
- Under 10W power consumption and Fanless Operation

Ordering Information

cPCI-3600/LX800	2-slot 3U CompactPCI® with AMD Geode™ LX 800 without memory
cPCI-3600/LX800/256	2-slot 3U CompactPCI® with AMD Geode™ LX 800 and soldered 256 MB DDR400 memory
cPCI-3600/LX800-256/M512	2-slot 3U CompactPCI® with AMD Geode™ LX 800 and soldered 256 MB and 512 MB SODIMM DDR400 Memory
cPCI-3600/LX800/M1G	2-slot 3U CompactPCI® with AMD Geode™ LX 800 and 1 GB SODIMM DDR400 memory without soldered memory
cPCI-R3600	3U 2-slot Rear Transition module for cPCI-3600, 50 mm
cPCI-R3600T	3U 2-slot Rear Transition module for cPCI-3600, 80 mm

Peripheral Connectivity

Function	cPCI-3600		cPCI-R3600	
	Face-plate	On-Board	Face-plate	On-Board
Audio	--	--	Y x 2	--
CF	--	Y	--	--
USB 2.0	Y x 2	--	--	--
Fast LAN	Y	--	Y	--
COM	Y x 2	--	--	--
LPT*	--	--	Y	--
VGA	Y	--	Y	--
PS/2 KB/MS	Y	--	--	--
IDE HDD	--	44-Pin	--	--
LED	Y	--	--	--
Reset button	Y	--	--	--
Floppy*	--	--	--	Y

Note: * LPT and Floppy cannot be used simultaneously, must be selected by BIOS setting

Specifications

CPU / Chipset / RAM

CPU	AMD Geode™ LX 800 CPU 500 MHz with 128 KB L2 cache
Chipset	AMD Geode™ CS5536 companion device
RAM	Supports 256 MB soldered DDR-400 SDRAM and one 200-pin SODIMM socket, up to 1 GB

Bus

CompactPCI® Standards	PICMG® 2.0 R3.0
CompactPCI® Bus	32-bit/33 MHz CompactPCI® Bus

BIOS

Chip	Award-Phoenix 2 Mb flash memory
Features	Intel® PXE pre-boot on Ethernet Serial Console EEPROM CMOS backup USB boot/legacy

I/O Interfaces

Display	Integrated in the AMD Geode™ LX 800 1920 x 1440 32-bit dpi at 85 Hz DB15 VGA interface on front or rear panel by switch selection
Ethernet	Two 10/100BASE-T Ethernet ports supported by Intel® 82551QM controller
IDE	2.5" IDE HDD, and one CompactFlash® socket
Audio	AC'97 Codec Rev 2.3 (rear) Line-out port (speaker) Line-in port (MIC)
Serial Port	RS-232 DB-9 connector on front panel
USB	Two USB 2.0
Front Panel I/Os	USB x 2, LAN, COM x 2, VGA, PS/2 KB/MS
Onboard Connectors	CF, IDE, FDD (rear)
Rear Panel I/Os	Mic-In, Line-Out, LAN, LPT, VGA

Other Features

Hardware Monitoring	Supply voltages and CPU temperature
Watchdog Timer	255-level timer generates system reset
Operation Systems	Microsoft® Windows® 2000/XP, Red Hat® Linux® (for other OS support please contact ADLINK for availability)

Mechanical and Environmental

Form Factor	3U CompactPCI®
Dimensions	100 mm x 160 mm (L x W), 2-slot (8 HP) wide
Operating Temp.	0°C to 60°C Extended temperature optional
Storage Temp.	-40°C to 80°C
Shock	15 G peak-to-peak, 11 ms duration, non-operation
Vibration	Non-operation: 1.88 Grms, 5 to 500 Hz, each axis Operation: 0.5 Grms, 5 to 500 Hz, each axis
Certificate or Test	CE, FCC class A
Measured Power	Full Load 7W (+5 V at 1.4 A); Typical Load 6 W (+5 V at 1.1 A)
Consumption	(AMD Geode™ LX 800 with 1 GB socket memory & 40 GB IDE HDD)