



Features

- 10/100 Ethernet
- 2 Serial, 2 USB ports
- PC/104 expansion
- Fanless operation
- PCI-to-ISA Bridge
- Compact Flash Socket
- 16-bit ISA bus with DDMA



Choose Ampro by ADLINK™ CoreModule® 620 for...

Embedded applications that need low power in a compact size and RoHS compliance.

Description

Ampro by ADLINK™ CoreModule® 620 offers AMD Geode™ performance with advanced networking, low power and all of the PC-compatible component subsystems.

Specifications

Processor

500MHz Geode™ LX 800
 Cache – 128kB Level 2
 Chipset – AMD CS5536
 FSB – 400MHz
 System Controllers – PC-compatible DMA and interrupt controllers and timers
 Real Time Clock – Battery-backed RTC/CMOS
 Watchdog Timer
 Powerfail Reset – Triggers when key voltage drops below predetermined threshold

Memory

DRAM – Up to 1GB DDR333 SODIMM

Bus Interface

PC/104 (ISA)

I/O

(1) EIDE
 Compact Flash Socket on primary IDE
 Serial – 2 ports, one is RS232/422/485
 Parallel – EPP/ECP bidirectional port
 Floppy – Supports 1 or 2 drives, shared with parallel
 USB – 2 USB 2.0 ports
 Keyboard/Mouse – PS/2 interface

Network Interface

Ethernet – Intel® 82551 10/100BaseT

Video Interface

Controller
 –Hardware Video Accelerator
 –Supports resolutions to 1600x1200
 –Up to 4MB UMA Frame Buffer
 –Supports TTL LCD panels!

Software

OS Support – Ampro by ADLINK™ Embedded Linux®, Windows® CE 6.0, 5.0, XP, XPe
 (See website for details)
 BIOS – AMI with Ampro by ADLINK™ extensions including ISA DMA

Mechanical

Size – 90x96mm (3.6x3.8"); PC/104 form factor
 Power Requirements – (with 512MB RAM, 100% Loaded)
 – 1.4A @5V
 Environmental
 –Temperature (100 LFM system air flow)
 • Standard: –20° to +70°C
 • Extended: –40° to +85°C
 • Storage: –55° to +85°C
 Board Thickness – .093" (2.36mm)

Ordering Information

Model Number	Description/Configuration
CM2-620-R-11	CoreModule® 620, 500MHz Geode™ LX 800, Ethernet, no RAM
CM2-620-L-11	500MHz QuickStart Kit (R-11 SBC, 512MB RAM, Cable Kit, Software, Documentation)
CM2-620-X-01	CoreModule® 620 Cable Kit