



Ampro CoreModule™ 620

Geode PC/104 Single Board Computer
Highly Integrated, Low Power



CoreModule 620

Choose Ampro CoreModule™ 620 for...

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

Description

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



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

For more information, pricing, and details on volume discounts, please call us at 1. 800. 966. 5200 or +1. 408. 360. 0200.

We'll immediately connect you to your local distributor.

Don't see the product you need?
Contact us at 1. 800. 966. 5200 or
+1. 408. 360. 0200 for information about
our semi-custom and custom solutions.

Ordering Information

MODEL	DESCRIPTION
CM2-620-R-11	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	CM620 Cable Kit

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 Embedded Linux, Windows™ CE 6.0, 5.0, XP, XPe (See Web site for details)
- BIOS – AMI with Ampro extensions

MECHANICAL

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