



Ampro LittleBoard™ 620

Geode EBX Single Board Computer

Low Power, Easy Interface



LittleBoard 620

Choose Ampro LittleBoard™ 620 for...

High volume embedded applications that need high performance and low power.

Description

Ampro LittleBoard™ 620 provides high-performance, low-power processing with advanced networking and all of the PC-compatible component subsystems with PC-style connectors.



- ISA DDMA support
- Dual 10/100 Ethernet
- PC/104 Plus expansion
- Fanless operation
- Mini-PCI 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?
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our semi-custom and custom solutions.

Ordering Information

MODEL	DESCRIPTION
LB3-620-R-11	500MHz Geode, Dual Ethernet, no RAM, PC/104-Plus
LB3-620-L-11	500MHz QuickStart Kit (R-11 SBC, 512MB RAM, Cable Kit, Software, Documentation)
LB3-ALL-X-01	LittleBoard™ Cable Kit (RoHS)

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 DIMM

BUS INTERFACE

- PC/104 Plus and mini-PCI socket

I/O

- EIDE – Single PCI-bus Enhanced Ultra DMA
- Compact Flash Socket on secondary IDE
- SATA optional
- Serial – 4 ports, two are RS232/422/485
- Parallel – floppy shared
- USB – 4 USB 2.0 ports
- IrDA – Dedicated IrDA
- Keyboard/Mouse – PS/2 interface
- Audio – AC97 speaker, mic, headphone
- GPIO – 22

NETWORK INTERFACE

- Dual Ethernet – Intel 82551 10/100BaseT

VIDEO INTERFACE

- Controller –
 - Hardware Video Accelerator
 - Supports resolutions to 1600x1200
 - Up to 4MB UMA Frame Buffer
 - Supports 24-bit TTL and LVDS LCDs
 - LVDS transceiver onboard

SOFTWARE

- OS Support – Ampro Embedded Linux®, VxWorks®, QNX®, Windows® CE 6.0, 5.0, XP, XPe (See Web site for details)
- BIOS – AMI with Ampro extensions

MECHANICAL

- Size – 146x203mm (5.75x8.00"); EBX form factor
- Power Requirements (with 512MB RAM, 100% Loaded)
 - 500MHz TBD @ 5V
- Environmental
 - Temperature (100 CFM system air flow)
 - Standard: –20° to +70°C
 - Extended: –40° to +85°C
 - Storage: –55° to +85°C
- Board Thickness – .093" (2.36mm)



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