Ampro ETX® 620

Geode™ LX Computer-on-Module
Customizable, Low Cost, Low Power

EXTREME RUGGED

ETX 620

Choose Ampro ETX® 620 for…

Low-cost applications that require a custom footprint and connectorization, but with short time-to-market compared to a full custom solution.

Description

Ampro ETX® 620 is a small, moderate performance, low-power processor module with networking and graphics in a modular format that plugs into your custom baseboard.

RoHS ✓

- Up to 1GB DDR Memory
- PCI, ISA* with DDMA
- LVDS and TTL models
- Compact Flash Socket
- Industry's Best Legacy IRQ Assignment
- SATA optional

Ordering Information

MODEL	DESCRIPTION
ET1-620-R-11	500MHz CPU, PCI, ISA, TTL LCD
ET1-620-R-12	500MHz CPU, PCI, ISA, LVDS LCD
ET1-620-L-11	500MHz QuickStart Kit (R-11 Module, 512MB RAM, TTL, Software, Documentation, ETX® baseboard)
ET1-620-L-12	500MHz QuickStart Kit (R-12 Module, 512MB RAM, LVDS, Software, Documentation, ETX® baseboard)

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.

Specifications

PROCESSOR
- 500MHz Geode™ LX 800
- Cache – 128kB Level 2
- Chipset – AMD CS5536
- FSB – Integrated Northbridge
- System Controllers – PC-compatible DMA and interrupt controllers and timers
- Watchdog Timer

MEMORY
- DRAM – Up to 1GB DDR 333 SODIMM

BUS INTERFACE
- PCI and 16 BIT ISA*

I/O
- EIDE – Single PCI-bus Enhanced Ultra DMA 66/100 Synchronous IDE interface supports up to two hard drives
- SATA optional
- Serial – 2 ports, TTL, transceivers on baseboard
- Parallel – EPP/ECP bidirectional port
- Floppy – Supports 1 drive, shared with parallel
- USB – 4 USB 2.0 ports
- Keyboard / Mouse – PS/2 interface
- Audio – AC97 speaker, mic, headphone

NETWORK INTERFACE
- Ethernet – Intel® 82551QM (10/100BaseT)

VIDEO INTERFACE
- Controller – Integrated 2D / 3D graphics
  - Supports resolutions to 1600x1200
  - LVDS flat panel support, TTL interface optional

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

MECHANICAL
- Size – 95x114mm (3.7x4.5"); ETX® form factor
- Power Requirements – (with 512MB RAM, 100% Loaded) – 2.7A@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" (2.3mm)

* ISA support is implemented with an on-board PCI-to-ISA bridge.

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