

# Geode<sup>-</sup>LX Computer-on-Module Customizable, Low Cost, Low Power



## Choose Ampro ETX° 620 for...

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

## Description

ROHS

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.

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

# 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
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)

## Specifications

#### PROCESSOR

- 500MHz Geode<sup>--</sup> 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\*

#### 1/0

 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-4USB2.0 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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