



### Features

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



### Choose Ampro by ADLINK™ ETX<sup>®</sup> 620 for...

Low-cost applications that require a custom footprint and connectorization, but with short time-to-market compared to a full custom solution. ETX<sup>®</sup> 620 is a great migration solution for EOL modules.

#### Description

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

### 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\*

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

#### 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<sup>®</sup> 82551QM (10/100BaseT)

#### Video Interface

Controller – Integrated 2D graphics  
–Supports resolutions to 1600x1200  
–LVDS flat panel support, TTL interface optional

#### Software

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

#### Mechanical

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

### Ordering Information

Model Number	Description/Configuration
ET1-620-R-11	ETX <sup>®</sup> 620, 500MHz CPU, PCI, ISA, TTL LCD
ET1-620-R-14	ETX <sup>®</sup> 620, 500MHz CPU, PCI, ISA, LVDS LCD, SATA
ET1-620-L-11	500MHz QuickStart Kit (R-11 Module, 512MB RAM, TTL, Software, Documentation, ETX <sup>®</sup> baseboard)
ET1-620-L-14	500MHz QuickStart Kit (R-14 Module, 512MB RAM, LVDS, Software, Documentation, ETX <sup>®</sup> baseboard)