ETX® 620

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



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

EXTREME RUGGED

Choose Ampro by ADLINK™ 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. ETX® 620 is a great migration solution for EOL modules.

Description

Ampro by ADLINK™ 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.

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® 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®, Windows® 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® 620, 500MHz CPU, PCI, ISA, TTL LCD
ET1-620-R-14	ETX® 620, 500MHz CPU, PCI, ISA, LVDS LCD, SATA
ET1-620-L-11	500MHz QuickStart Kit (R-11 Module, 512MB RAM, TTL, Software, Documentation, ETX® baseboard)
ET1-620-L-14	500MHz QuickStart Kit (R-14 Module, 512MB RAM, LVDS, Software, Documentation, ETX® baseboard)

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