



### Features

- Up to 1GB DDR memory, ECC support
- On-board ISA bridge and legacy I/O
- 50% thicker PCB
- ACPI 2.0 with S3 support
- Industry's lowest ETX<sup>®</sup> S3 current draw



### Choose the Ampro by ADLINK<sup>™</sup> ETX<sup>®</sup> 802 for...

Modular, high performance applications that require a 5 volt supply, legacy I/O, and full notebook-style power management.

#### Description

The Ampro by ADLINK<sup>™</sup> ETX<sup>®</sup> 802 is a high-performance, low-power Centrino<sup>®</sup> processor module with advanced networking and high-performance graphics in a modular format that plugs into your custom baseboard.

### Specifications

#### Core System

Choice of

- 1.4GHz LV Pentium<sup>®</sup> M 738
- 1.0GHz ULV Celeron<sup>®</sup> M 373
- 800MHz ULV Celeron<sup>®</sup> M

Cache - 2MB, 512KB or 0KB Level 2

DRAM - Up to 1GB PC2700 DDR333 SODIMM, ECC or non-ECC

Chipset - Intel<sup>®</sup> 855GME/ICH4

FSB - 400MHz

System Controllers - PC-compatible DMA and interrupt controllers and timers

Watchdog Timer

Powerfail Reset - Triggers when input voltage drops below predetermined threshold

#### Bus Interface

ISA and PCI

#### I/O

PATA Ultra DMA 33/66/100 IDE interfaces, supports up to two hard drives

Serial - 2 ports, TTL, transceivers on baseboard

Parallel - EPP/ECP bidirectional port

Floppy - Supports 1 or 2 drives, shared with parallel

USB - 4 USB 2.0 ports (four root hubs)

Keyboard/Mouse - PS/2 interface

Audio - AC'97 ALC202A audio codec

#### Network Interface

Ethernet - Intel<sup>®</sup> 82551QM (10/100 BaseT) Ethernet with Wake-on-LAN

#### Video Interface

Controller - Integrated Intel<sup>®</sup> Extreme Graphics 2

- AGP 128-bit 3D engine
- Supports resolutions to 2048x1536
- Up to 64MB UMA Frame Buffer
- Dual channel LVDS flat panel support

#### Software & Development Tools

OS Support - Ampro by ADLINK<sup>™</sup> Embedded Linux<sup>®</sup>, VxWorks<sup>®</sup> v5.5.1, QNX<sup>®</sup> v6.3, Windows<sup>®</sup> CE 5.0, XP, XPe

BIOS - AMI with ACPI 2.0 including S3

#### Mechanical

Size - 114x95mm (4.5x3.7"); ETX<sup>®</sup> form factor

Power Requirements (with 128MB RAM, 100% Loaded)

- 1.4GHz 3.3A @ 5V
- 1.0GHz 2.8A @ 5V
- 800MHz 2.7A @ 5V

Temperature (100 LFM system air flow)\*

- Standard: -20° to +70°C
- Extended: -40° to +85°C
- Storage: -55° to +85°C

Board Thickness - .093" (2.36mm)

\* As measured with Ampro by ADLINK<sup>™</sup> Heatsink Kit and 100 LFM or adequate thermal solution

### Ordering Information

Model Number	Description/Configuration
ET1-802-R-08	ETX <sup>®</sup> 802, 800MHz ULV Celeron <sup>®</sup> M CPU, 0KB L2 Cache, ISA, PCI, ACPI
ET1-802-R-12	ETX <sup>®</sup> 802, 1.0GHz ULV Celeron <sup>®</sup> M CPU, 512KB L2 Cache, ISA, PCI, ACPI
ET1-802-R-22	ETX <sup>®</sup> 802, 1.4GHz LV Pentium <sup>®</sup> M CPU, 2MB L2 Cache, ISA, PCI, ACPI
ET1-802-L-22	1.4GHz QuickStart Kit (R-22 Module, 512MB RAM, software, documentation, Ampro by ADLINK <sup>™</sup> AC Baseboard)