



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[®] S3 current draw



Choose the Ampro by ADLINK[™] ETX[®] 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[™] ETX[®] 802 is a high-performance, low-power Centrino[®] 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[®] M 738
- 1.0GHz ULV Celeron[®] M 373
- 800MHz ULV Celeron[®] M

Cache – 2MB, 512KB or 0KB Level 2

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

Chipset – Intel[®] 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[®] 82551QM (10/100 BaseT) Ethernet with Wake-on-LAN

Video Interface

Controller – Integrated Intel[®] 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[™] Embedded Linux[®], VxWorks[®] v5.5.1, QNX[®] v6.3, Windows[®] CE 5.0, XP, XPe

BIOS – AMI with ACPI 2.0 including S3

Mechanical

Size – 114x95mm (4.5x3.7"); ETX[®] 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[™] Heatsink Kit and 100 LFM or adequate thermal solution

Ordering Information

Model Number	Description/Configuration
ET1-802-R-08	ETX [®] 802, 800MHz ULV Celeron [®] M CPU, 0KB L2 Cache, ISA, PCI, ACPI
ET1-802-R-12	ETX [®] 802, 1.0GHz ULV Celeron [®] M CPU, 512KB L2 Cache, ISA, PCI, ACPI
ET1-802-R-22	ETX [®] 802, 1.4GHz LV Pentium [®] 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 [™] AC Baseboard)