ETX® 802

ETX® Module with Intel® Pentium® Processor and 855GME / ICH4 Chipset



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

EXTREME RUGGED

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)

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