



Ampro ETX[®] 802

Pentium[®] M Computer-on-Module

Customizable, Power Management



ETX 802

Choose Ampro ETX[®] 802 for...

Extreme rugged, ultra high performance applications that require full notebook-style power management.

Description

Ampro ETX[®] 802 is a small, ultra high-performance, low-power Centrino[®] processor module with advanced networking and high-performance graphics in a modular format that plugs into your custom baseboard.



- Up to 1GB DDR Memory
- On-board ISA bridge
- 50% Thicker PCB
- ACPI 2.0 with S3 support

For more information, pricing, and details on volume discounts, please call us at 1. 800. 966. 5200 or +1. 408. 360. 0200.

We'll immediately connect you to your local distributor.

Don't see the product you need?
Contact us at 1. 800. 966. 5200 or +1. 408. 360. 0200 for information about our semi-custom and custom solutions.

Ordering Information

MODEL	DESCRIPTION
ET1-802-R-08	800MHz ULV Celeron [®] M CPU, 0KB L2 Cache, ISA, PCI, ACPI, FX8
ET1-802-R-12	1.0GHz ULV Celeron [®] M CPU, 512KB L2 Cache, ISA, PCI, ACPI
ET1-802-R-22	1.4GHz LV Pentium [®] M CPU, 2MB L2 Cache, ISA, PCI, ACPI, FX8
ET1-802-L-08	800MHz 0KB Cache QuickStart Kit (R-08 Module, 512MB RAM, Software, Documentation, Ampro AC Baseboard)
ET1-802-L-12	1.0GHz QuickStart Kit (R-12 Module, 512MB RAM, Software, Documentation, Ampro AC Baseboard)
ET1-802-L-22	1.4GHz QuickStart Kit (R-22 Module, 512MB RAM, Software, Documentation, Ampro AC Baseboard)

Specifications

PROCESSORS

- 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
- Chipset – Intel 855GME/ICH4M
- FSB – 400MHz
- System Controllers – PC-compatible DMA and interrupt controllers and timers
- Watchdog Timer
- Powerfail Reset – Triggers when input voltage drops below predetermined threshold

MEMORY

- DRAM – Up to 1GB PC2700 DDR333 SODIMM

BUS INTERFACE

- ISA and PCI

I/O

- EIDE – Dual PCI-bus Enhanced Ultra DMA 33/66/100 Synchronous IDE Interface 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 – AC97 speaker, mic, headphone

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 Embedded Linux[®], VxWorks[®] v5.5.1, QNX[®] v6.3, Windows[®] CE 5.0, XP, XPe (See Web site for details)
- BIOS – AMI with ACPI 2.0 including S3

MECHANICAL

- Size – 95x114mm (3.7x4.5"); ETX[®] form factor
- Power Requirements (with 128MB RAM, 100% Loaded)
 - 1.4GHz 3.3A @ 5V
 - 1.0GHz 2.8A @ 5V
 - 800MHz 2.7A @ 5V
- Environmental
 - Temperature (100 CFM system air flow)*
 - Standard: –20° to +70°C
 - Optional: –40° to +85°C
 - Storage: –55° to +85°C
- Board Thickness – .093" (2.36mm)

* As measured with Ampro Heatsink Kit and 100 CFM or adequate thermal solution



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