



Ampro ETX[®] 700

Celeron[®] Computer-On-Module

Custom, Rugged, RoHS-Compliant



ETX 700

Choose Ampro ETX[®] 700 for...

Rugged applications that require high performance, a custom footprint and connectorization, but with short time to market compared to a full custom solution.

Description

Ampro ETX[®] 700 is a rugged, high performance processor module with advanced networking and high-performance graphics in a modular format that properly plugs into your custom baseboard by offering a choice of FX8 or FX8C connectors per Hirose's requirements.

(Not recommended for new designs.)



- -40° to +85°C
- 50% Thicker PCB
- AGP 4X graphics
- FX8 or FX8C connectors

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.

Get Started Today. Order a QuickStart Kit Now.

Ordering Information

MODEL	DESCRIPTION
ET1-700-K-02	400MHz QuickStart Kit (R-02 Module, 512MB RAM, Software, Documentation, Ampro ATX baseboard)
ET1-700-K-12	650MHz QuickStart Kit (R-12 Module, 512MB RAM, Software, Documentation, Ampro ATX baseboard)
ET1-700-R-02	400MHz ULV Celeron [®] CPU, ISA, PCI, FX8 (Short) Connectors
ET1-700-R-03	400MHz ULV Celeron [®] CPU, ISA, PCI, FX8C (Tall) Connectors
ET1-700-R-12	650MHz ULV Celeron [®] CPU, ISA, PCI, FX8 (Short) Connectors
ET1-700-R-13	650MHz ULV Celeron [®] CPU, ISA, PCI, FX8C (Tall) Connectors

Specifications

PROCESSORS

- Choice of
 - 650MHz Ultra Low Voltage Celeron[®]
 - 400MHz Ultra Low Voltage Celeron[®]
- Cache - 256kB Level 2
- Chipset - Via Twister-T
- FSB - 133MHz or 100MHz
- System Controllers - PC-compatible DMA and interrupt controllers and timers
- Watchdog Timer
- Powerfail Reset - Triggers when key voltage drops below predetermined threshold

MEMORY

- DRAM - Up to 512MB SODIMM

BUS INTERFACE

- ISA and PCI

I/O

- EIDE - Dual PCI-bus Enhanced Ultra DMA 33/66/100 Synchronous IDE interface supports up to four hard drives
- Serial - 2 ports, TTL, transceivers on baseboard
- Parallel - EPP/ECP bidirectional port
- Floppy - Supports 1 or 2 drives
- USB - 4 USB 1.1 ports (two root hubs)
- IrDA - Dedicated IrDA and 0.1W speaker
- Keyboard/Mouse - PS/2 interface
- Audio - AC97 speaker, mic, headphone

NETWORK INTERFACE

- Ethernet - Intel 82551ER 10/100BaseT

VIDEO INTERFACE

- Controller - Integrated S3 Savage AGP 4X
 - DVD Multimedia Accelerator
 - Supports resolutions to 1600x1200
 - Up to 32MB UMA Frame Buffer
 - Built-in LVDS transceiver

SOFTWARE

- OS Support - Linux[®] 2.4.18, VxWorks[®] v5.5, QNX[®] v6.3, Windows[®] CE 5.0, XP, XPe (See Web site for details)
- BIOS - General Software 5.2 with Ampro extensions

MECHANICAL

- Size - 95x114mm (3.7x4.5"); ETX[®] form-factor
- Power Requirements (with 64MB RAM, 100% Loaded)
 - 650MHz 2.7A @ 5V
 - 400MHz 2.0A @ 5V
- 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)



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