



# Ampro ETX 700

## Pentium® III Computer-on-Module

### Custom, Rugged, RoHS-Compliant



#### 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.

**This product is not recommended** for long-production-life applications, for example Medical with FDA approval requirements. Although the board is RoHS-compliant, the QuickStart Kits are not.

#### 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.



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

#### Ordering Information

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

#### Specifications

##### PROCESSOR

- Choice of
  - 650MHz Low Voltage Celeron®
  - 400MHz Ultra Low Voltage Celeron®
- Cache – 256kB Level 2 Cache
- Chipset – Via Twister-T
- Front Side Bus – 133MHz or 100MHz
- System Controllers – PC-compatible DMA and interrupt controllers and timers
- Real Time Clock
- 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 82551 ER 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 – See Web site for current listings
- BIOS – General Software 5.2 with Ampro extensions

##### MECHANICAL

- Size – 95x114mm (3.7x4.5"); ETX form-factor
- Power Requirements (w/64MB RAM, 100% Loaded)
  - 650MHz 2.7A @ 5V
  - 400MHz 2.0A @ 5V
- Temperature (100 CFM system air flow)
  - Standard operating: -20° to +70°C
  - Optional operating: -40° to +85°C
  - Storage: -55° to +85°C