RoHS 2002/95/EC

Ampro ETX® 700
Celeron® 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.

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.)

Ampro value

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

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)

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.

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Get Started Today. Order a QuickStart Kit Now.

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