



Ampro CoreModule™ 800

Celeron® M PCI-I04 Single Board Computer

Rugged, Ultra-High Performance, RoHS-Compliant



CoreModule 800

Choose Ampro CoreModule 800 for...

Rugged embedded applications that need ultra-high performance in a compact module.

Description

Ampro CoreModule 800 PCI-I04 compatible SBC offers ultra low power Centrino® performance with advanced networking, high-performance graphics and all of the PC-compatible component subsystems.



- Gigabit Ethernet
- High Performance Video
- 2 Serial, 2 USB 2.0 ports
- PCI-I04 without wings

Ordering Information

| MODEL | DESCRIPTION |
|--------------|---|
| CM3-800-L-00 | 800MHz 0kB Cache QuickStart Kit (R-00 SBC, 512MB RAM, Cable Kit, Software, Documentation) |
| CM3-800-R-00 | 800MHz ULV Celeron® M CPU, 0kB L2 Cache, PC-I04, Ethernet, 2 COM, |
| CM3-800-X-01 | Cable Kit |
| MM3-ISA-R-01 | MiniModule ISA, PCI-I04 to PC/I04-Plus Bridge |

Specifications

PROCESSORS

- 800MHz Ultra Low Voltage Celeron® M
- Cache – 0kB Level 2
- Chipset – Intel 855GME/ICH4M
- FSB – 400MHz
- System Controllers – PC-compatible DMA and interrupt controllers and timers
- RealTime Clock – Battery-backed RTC/CMOS
- Watchdog timer
- Powerfail Reset – Triggers when input voltage drops below predetermined thresholds

MEMORY

- DRAM – Up to 1GB PC2700 DDR333 SODIMM

BUS INTERFACE

- PCI-I04 (PCI)
- PCI-I04 to PC/I04-Plus bridge through optional MiniModule™ ISA card

I/O

- EIDE – Single PCI-bus Enhanced Ultra DMA 33/66/100 Synchronous IDE Interface supports up to two hard drives
- Serial – 2 ports, one is RS232/422/485
- Parallel – EPP/ECP bidirectional port
- Floppy – Supports 1 or 2 drives, shared with parallel
- USB – 2 USB 2.0 ports (two root hubs)
- Keyboard/Mouse – PS/2 interface

NETWORK INTERFACE

- Ethernet – Intel 82541 (1000BaseT) Ethernet

VIDEO INTERFACE

- Controller – Integrated Intel Extreme Graphics 2
 - AGP 4X 128-bit 3D engine
 - Supports resolutions to 2048x1536
 - Up to 64MB UMA Frame Buffer
 - Dual channel LVDS
 - Supports 3.3V or 5V flat panels

SOFTWARE & DEVELOPMENT TOOLS

- OS Support – See Web site for current listings
- BIOS – General Software 5.3 with Ampro extensions

MECHANICAL

- Size – 90x96mm (3.6"x3.8"); PCI-I04 form-factor
- Power Requirements – (w/128MB RAM, 100% Loaded)
 - TBDA @ 5V
- Temperature – (100 CFM system air flow)
 - Standard operating: –20° to +70°C
 - Optional operating: TBD
 - Storage: –55° to +85°C