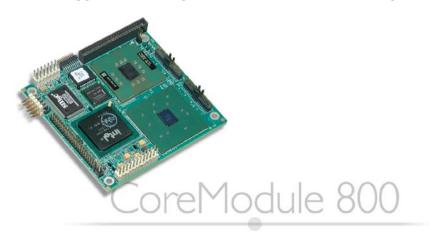


Ampro CoreModule[™] 800 Celeron[®] M PCI-104 Single Board Computer Rugged, Ultra-High Performance, RoHS-Compliant



Choose Ampro CoreModule[™] 800 for...

Rugged embedded applications that need ultra-high performance in a compact module that does not violate PC/104 outline specifications.

Description

mpro

value

Ampro CoreModule[®] 800 PCI-104 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 RS 232/422/485 Serial ports
- 2 USB 2.0 ports
- PCI-104 without wings

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

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MODEL	DESCRIPTION
CM3-800-L-10	1GHz 512kB Cache QuickStart Kit (R-10 SBC, 512MB RAM, Cable Kit, Software, Documentation)
CM3-800-L-08	800MHz 0kB Cache QuickStart Kit (R-08 SBC, 512MB RAM, Cable Kit, Software, Documentation)
CM3-800-R-10	1GHz ULV Celeron® M CPU, 512kB L2 Cache, PC-104, Ethernet, 2 COM
CM3-800-R-08	800MHz ULV Celeron® M CPU, 0kB L2 Cache, PC-104, Ethernet, 2 COM
CM3-800-X-01	Cable Kit
MM3-ISA-R-11	MiniModule ISA, PCI-104 to PC/104- Plus Bridge

Specifications

PROCESSORS

- Choice of
- 1GHz Ultra Low Voltage Celeron[®] M 373
- 800MHz Ultra Low Voltage Celeron[®] M
- Cache 512kB or 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-104 (PCI)
- PCI-104 to PC/104-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, both are 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 Linux® FC6, VxWorks® v5.5.1,
- QNX[®] v6.3, Windows[®] CE 5.0, XP, XPe (See Web site for details)
- BIOS AMI

MECHANICAL

- Size 90x96mm (3.6x3.8"); PCI-104 form factor
- Power Requirements (with 512MB RAM, 100% Loaded)
- 1GHz 2.8A@5V
- 800MHz 2.6A@5V
- Temperature (100 CFM system air flow)*
- − Standard: −20° to +70°C
- Extended: -40° to +85°C (1GHz only)
- Storage: –55° to +85°C
- See manual for thermal operating requirements
- BoardThickness .120" (3.05mm)
- * As measured with Ampro Heatsink Kit and 100 CFM or adequate thermal solution

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