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Find the *Adlink / Ampro Computers CM2-410-R-01* at our website: *Click HERE*

RoHS 2002/95/EC

Ampro CoreModule™ 410
486 PC/104 Single Board Computer
Rugged, Low Cost, RoHS-Compliant



Choose Ampro CoreModule™ 410 for…
Compact, rugged, embedded designs with modest performance requirements and micro-controller-like functionality where the tools and OS support for the PC architecture can simplify and speed the design process.

This product is not recommended for long-production-life applications, for example Medical with FDA approval requirements. Although the board is RoHS-compliant, the Cable Kit and QuickStart Kit may not be.

Description
Based on STMicroelectronics™ 133MHz STPC® Elite processor, the Ampro CoreModule™ 410 provides a CPU and a core set of peripherals to control stand-alone, headless systems.

Ampro value

- –40° to +85°C
- 8 GPIOs
- 2 Serial ports
- PC/104 expansion

Ordering Information

MODEL	DESCRIPTION
CM2-410-K-01	133MHz QuickStart Kit (R-01 CPU, Cable Kit, Software, Documentation)
CM2-410-R-01	133MHz STPC Elite CPU, 16MB RAM
CBL-410-Q-01	CoreModule™ 410 Cable Kit

Specifications

PROCESSORS
- 133MHz STPC® Elite
- Cache – 8kB Level 1
- System Controllers – PC-compatible DMA and interrupt controller and timers
- Real Time Clock – Battery-backed RTC/CMOS
- Watchdog Timer
- Powerfail Rest – Triggers when input voltage drops below predetermined thresholds

MEMORY
- 16MB soldered SDRAM
- 1MB Flash Memory, 768kB for OEM use

BUS INTERFACE
- PC /104 (ISA)

I/O
- EIDE – Enhanced DMA 33 Synchronous IDE interface supports up to two hard drives
- Bytewide Socket for DiskOnChip® 2000
- Serial – 2 ports, one is RS232/422/485
- Parallel – EPP /ECP bidirectional port
- Floppy – Supports 1 to 2 drives
- Keyboard/Mouse – PS/2 interface
- GPIO – Eight general-purpose digital I /O pins

NETWORK INTERFACE
- None

VIDEO INTERFACE
- None

SOFTWARE & DEVELOPMENT TOOLS
- OS Support – VxWorks® v5.4, QNX® v6.2.1 Windows® CE, (See Web site for details)
- BIOS – General Software 5.2 with Ampro extensions

MECHANICAL
- Size – 90x96mm (3.6"x3.8"); PC/104 form factor
- Power Requirements (with 16MB RAM, 100% Loaded) – 1.0A @5V
- Temperature (100 CFM system air flow)
  - Standard: –20° to +70°C
  - Optional: –40° to +85°C
  - Storage: –55° to +85°C
- Board Thickness – .062" (1.6mm)

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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