

**Aumictech**

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Data Sheet

August 15, 2026

ADLINK / AMPRO COMPUTERS

Adlink / Ampro Computers CM2-SXI-Q-74 PC/104 CPU Module

The Adlink/Ampro Computers CM2-SXI-Q-74 is a PC/104 form factor CPU module designed for embedded applications requiring a compact and rugged solution, offering reliable performance in harsh environments. This module integrates the functionality of a PC/AT motherboard and several expansion cards within a small footprint. It utilizes a 25 MHz 386SX-compatible CPU, making it suitable for cost-sensitive embedded systems that previously required custom designs. The CM2-SXI-Q-74 is engineered for embedded systems with a focus on compact design, low power consumption, +5V-only operation, a wide operating temperature range, and high reliability. It can be used as a standalone component on a proprietary application board or combined with other PC/104 compatible expansion products to create integrated control subsystems. Aumictech offers NIST-traceable calibration and repair for the Adlink / Ampr



MODEL

**Adlink / Ampro
Computers CM2-
SXI-Q-74**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

CM2-SXI-Q-74

LISTING

<https://aumictechlabs.com/products/cm2-sxi-q-74-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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Technical Specifications

- * Processor: Intel 386SX-compatible, 25 MHz internal clock rate
- Memory:
 - * 2 or 4 Mbytes directly surface-mounted DRAM
 - * Additional 4 Mbytes available via plug-in DRAM module
- System Controllers:
 - * 7 DMA channels (8237 equivalent)
 - * 14 interrupt channels (8259 equivalent)
 - * 3 programmable counter/timers (8254 equivalent)
- BIOS: Award BIOS with Ampro embedded-PC enhancements
- Storage Interface:
 - * Support for 1 or 2 IDE hard disk drives
 - * Low profile 44 pin compact 2mm connector for IDE interface
- Onboard Flash Memory:
 - * 1 Mbyte OEM Flash, with 960 Kbytes available for OEM use
 - * Configurable as a 64 Kbyte window in the D0000-EFFFFh range
 - * Usable with DiskOnChip2000™ read/write Flash SSD device
 - * Configurable as 64 Kbyte window, addressed in the D0000-DFFFFh or E0000-EFFFFh range
 - * OEM Flash TFFS software can convert to a full read/write SSD drive (not usable simultaneously with DiskOnChip2000™)
- Configuration EEPROM: 2K bit configuration EEPROM, with 512 bits for OEM use
- Watchdog Timer: Supports battery-free boot capability and utilizes real-time clock alarm function; timeout triggers hardware reset or non-maskable interrupt
- Interfaces
 - * Serial Ports:
 - * Two RS232 serial ports with full handshaking
 - * One port is jumper-configurable for RS232 or RS485
 - * Both ports implemented using 16C550 equivalent with 16 byte data FIFOs
 - Parallel Port: EPP/ECP compatible bidirectional parallel printer port
 - Floppy Interface: Support for 1 or 2 floppy drives via a low profile 44 pin compact 2mm connector
- PC/104 Bus: 16-bit PC/104 bus
- Keyboard Port: PC/AT-compatible keyboard port
- Speaker Port: Speaker port with 0.1 watt drive

Physical and Environmental

- * Dimensions: 3.6 × 3.8 × 0.9 inches (90 × 96 × 23 mm); PC/104 compliant form factor (includes stackthrough pins)
- Power Requirements: Typical 500 mA active / 160 mA sleep at +5V ±5% (25 MHz with 4 Mbytes RAM)
- Operating Temperature:
 - * 0° to 70° C standard
 - * -40° to +85° C extended (special order)
- Humidity: 5% to 95% relative humidity, non-condensing
- Storage Temperature: -55° to +85° C
- Weight: 3.0 oz (85 gm)

Compatibility

- * Operating System: PC/AT and MS-DOS compatible
- Expansion: Can be combined with PC/104-compatible expansion products

Why Choose Aumictech for Adlink / Ampro Computers CM2-SXI-Q-74? At Aumictech, we specialize in supplying high-end embedded computing solutions. Whether you need a compact and reliable CPU module for harsh environments, a system with PC/AT compatibility, or a platform that supports further PC/104 expansion, our team ensures the Adlink / Ampro Computers CM2-SXI-Q-74 delivers maximum performance for your application.

CM2SXI-Q Characteristics / Specifications

PARAMETER	VALUE
Model	CM2-SXI-Q-74
Instrument Type	PC/104 CPU module
Family	Adlink / Ampro CM2-SXI
Form Factor	PC/104
Configuration Suffix	Q-74
Manufacturer	Adlink / Ampro Computers
Literature	Ampro/Adlink CM2-SXI-Q-74 PC/104 CPU listings
System Role	embedded PC/104 host
Use Case	instrument and industrial stacks
Sibling	LB3-486-Q-91 single-board system
Bus	PC/104
Documentation Type	CM2-SXI-Q-74 listing
Brand Lineage	Ampro Computers / Adlink
Application Class	embedded SBC
Related	Ampro CoreModule / CM2
Connector Class	PC/104 stack plus I/O headers
Host Class	PC/104 CPU
Year Class	CM2-SXI-Q-74
Ate Class	embedded controller
Module Class	PC/104 SBC
Cpu Class	SXI-class
Expansion Class	PC/104 I/O
Power Class	PC/104 5 V class host (nameplate)
Memory Class	on-board/soldered class (data sheet)

CM2SXIQ Specifications

PARAMETER	VALUE
Applications	PC/104 embedded CPU for instrument and industrial stacks.
Key Features	Adlink/Ampro CM2-SXI PC/104 CPU
PC/104 I/O stack host	Sibling LB3-486-Q-91 SBC
Technical Specifications	Model: CM2-SXI-Q-74
Notes	From Adlink/Ampro CM2-SXI-Q-74 PC/104 CPU listings. Clock, DRAM, and watts are on the CM2-SXI-Q-74 data sheet; do not invent them.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.