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Data Sheet

August 15, 2026

ADLINK / AMPRO COMPUTERS

Adlink / Ampro Computers LB3-486-Q-91 Single Board System

The Adlink/Ampro Computers LB3-486-Q-91 is a PC/AT compatible single board computer engineered for embedded systems requiring compact form factor and integrated functionality. This system consolidates the capabilities of a full PC/AT motherboard with multiple expansion interfaces within a 5.25-inch disk drive envelope, delivering processing power and I/O density for space-constrained applications. Typical Applications Industrial control systems, medical instrumentation, telecommunications equipment, point-of-sale terminals, and other embedded platforms requiring PC/AT compatibility within physical and thermal constraints. Compatibility & Integration Full PC/AT architectural compatibility ensures software and driver compatibility with standard operating systems and development tools. The design supports legacy and modern storage interfaces, display technologies, and communication protocols.



MODEL

**Adlink / Ampro
Computers LB3-
486-Q-91**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

LB3-486-Q-91

LISTING

<https://aumictechlabs.com/products/lb3-486-q-91-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Adlink/Ampro Computers LB3-486-Q-91 is a PC/AT compatible single board computer engineered for embedded systems requiring compact form factor and integrated functionality.

This system consolidates the capabilities of a full PC/AT motherboard with multiple expansion interfaces within a 5.25-inch disk drive envelope, delivering processing power and I/O density for space-constrained applications.

Technical Specifications

Processor & Memory AMD 486DX4/DX5 CPU operating at 66 MHz or 100/133 MHz OPTi 82C465MV/A/B single-chip mixed-voltage chipset Up to 64 Mbytes system RAM (Fast Page or EDO DRAM via two 72-pin SIMM slots) 512 KByte or 1 MByte onboard display RAM (soldered) Award ROM-BIOS with shadow RAM support

Storage & Mass Media IDE interface supporting 1–2 drives with PIO mode 4 transfer rates Adaptec AIC-6360 SCSI controller (SCSI I/II, synchronous and asynchronous) Onboard DiskOnChip2000™ flash SSD socket Two 32-pin byte-wide memory sockets accepting 32K–1M byte EPROMs, flash, SRAM, or NOVRAM Floppy disk support for 1–2 drives

Communications & Networking Four FIFO-buffered serial ports (16550 equivalent) with full handshaking; RS232C or RS485 capable Bidirectional EPP/ECP parallel port IEEE 802.3 Ethernet interface (SMC 9000 series, 10 Mbits/sec) 10Base-T RJ45 and AUI header connectors

Display & Video Chips & Technologies 65545 display controller CRT, LCD, and EL display support 24-bit true color at 640 × 480 resolution for flat panel displays GUI accelerator for graphics performance DPMS-compatible display support with programmable LCD timing

I/O & Control Standard PC/AT keyboard port 15 interrupt channels (8259 equivalent) 0.1 watt speaker output 512-bit CONFIG EEPROM for OEM customization

Key Features Integrated single board design eliminates discrete card stack complexity Mixed-voltage 3.3V chipset architecture Onboard battery-backed SRAM to NOVRAM conversion Flexible storage: IDE, SCSI, flash SSD, and floppy combinations Flat panel LCD support with sequenced power protection Quad serial port configuration with dual protocol options

Typical Applications Industrial control systems, medical instrumentation, telecommunications equipment, point-of-sale terminals, and other embedded platforms requiring PC/AT compatibility within physical and thermal constraints.

Compatibility & Integration Full PC/AT architectural compatibility ensures software and driver compatibility with standard operating systems and development tools. The design supports legacy and modern storage interfaces, display technologies, and communication protocols through onboard controllers and connectors.

LB3486Q Characteristics / Specifications

PARAMETER	VALUE
Model	LB3-486-Q-91
Instrument Type	Single-board computer
Family	Adlink / Ampro LB3-486
Cpu Class	486-class
Configuration Suffix	Q-91
Manufacturer	Adlink / Ampro Computers
Literature	Ampro/Adlink LB3-486-Q-91 SBC listings
System Role	embedded single-board host
Use Case	instruments and kiosks
Sibling	CM2-SXI-Q-74 PC/104 CPU
Form Factor	Little Board / EBX class
Documentation Type	LB3-486-Q-91 listing
Brand Lineage	Ampro Computers / Adlink
Application Class	embedded SBC
Related	Ampro Little Board 486
Connector Class	on-board I/O plus expansion
Host Class	SBC
Year Class	LB3-486-Q-91
Ate Class	embedded controller
Module Class	single-board system
Expansion Class	Little Board I/O
Power Class	SBC mains/DC (nameplate)
Memory Class	on-board DRAM class (data sheet)
Bus Class	ISA/PC-104 class expansion

LB3486Q Specifications

PARAMETER	VALUE
Applications	486-class embedded single-board system for instruments and kiosks.
Key Features	Ampro LB3-486 single-board system
Technical Specifications	Model: LB3-486-Q-91
Notes	From Adlink/Ampro LB3-486-Q-91 SBC listings. Clock, DRAM size, and I/O map are on the LB3-486-Q-91 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	
Specifications	
PARAMETER	VALUE
Model	LB3-486-Q-91
Instrument Type	Single-board computer
Family	Adlink / Ampro LB3-486
Cpu Class	486-class
Configuration Suffix	Q-91
Manufacturer	Adlink / Ampro Computers
Literature	Ampro/Adlink LB3-486-Q-91 SBC listings
System Role	embedded single-board host
Use Case	instruments and kiosks
Sibling	CM2-SXI-Q-74 PC/104 CPU
Form Factor	Little Board / EBX class
Documentation Type	LB3-486-Q-91 listing
Brand Lineage	Ampro Computers / Adlink
Application Class	embedded SBC
Related	Ampro Little Board 486
Connector Class	on-board I/O plus expansion
Host Class	SBC
Year Class	LB3-486-Q-91
Ate Class	embedded controller
Module Class	single-board system
Expansion Class	Little Board I/O
Power Class	SBC mains/DC (nameplate)
Memory Class	on-board DRAM class (data sheet)
Bus Class	ISA/PC-104 class expansion

Notes

From Adlink/Ampro LB3-486-Q-91 SBC listings. Clock, DRAM size, and I/O map are on the LB3-486-Q-91 data sheet; do not invent them.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.