



# Tech Info Library

## Macintosh LC III: Specifications (2/93) (Discontinued)

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Security: Everyone

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TOPIC -----

This article gives technical specifications for the Macintosh LC III computer.

DISCUSSION -----

### Microprocessor

- MC68030, 25 MHz clock speed, motherboard clock 25 MHz; 32-bit data bus
- Socket for optional floating-point unit (FPU)
- Integrated Paged Memory Management Unit (PMMU)

### Memory

- Comes with 4MB of RAM on the logic board
- Expandable to 36MB by adding one SIMM to a single 72-pin slot
- Includes RAM disk software

### Disk drives

- One built-in Apple SuperDrive 1.4MB floppy disk drive
- One internal 40MB, 80MB, or 160MB hard disk
- Optional external AppleCD CD-ROM drive

### Video display

Supports several displays, including:

- Macintosh 12-inch Monochrome Display
- Macintosh 12-inch RGB Display
- AppleColor High-Resolution RGB Display (13")
- Macintosh Color Display (14")
- Macintosh Portrait Display (15")

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- Macintosh 16-inch Color Display
- Third-party monitors
- VGA monitors

## Video RAM (VRAM)

- 512K standard supports:
  - 32,768 colors on the Macintosh 12-inch RGB Display
  - 256 colors on the AppleColor High-Resolution RGB Display (13"), Macintosh Color Display (14"), and Macintosh 16-inch Color Display
  - 256 shades of gray on the Macintosh 12-inch Monochrome Display
  - 16 shades of gray on the Macintosh Portrait Display (15")
- 768K option supports:
  - 32,768 colors on the Macintosh 12-inch RGB Display, AppleColor High-Resolution RGB Display (13"), and Macintosh Color Display (14")
  - 256 colors on the Macintosh 16-inch Color Display
  - 256 shades of gray on the Macintosh 12-inch Monochrome Display and Macintosh Portrait Display (15")

## Interfaces

- Internal expansion slot for one Macintosh LC processor-direct expansion card
- SCSI interface for connecting up to six external peripheral devices
- Two serial (RS-232/RS-422) ports
- One video port for color and monochrome displays of various sizes and resolutions
- One sound-output port (monaural) for external audio amplifier or headphones
- One sound-input port for monaural sound input
- One Apple Desktop Bus (ADB) port for a keyboard, mouse, and other devices

## Sound Generator

- Monophonic 8-bit digital-analog conversion using 22-kHz sample rate -- capable of driving stereo headphones or other stereo equipment through the sound jack

## Keyboard and Mouse

- Several ADB keyboards with numeric keypads available
- Apple Desktop Bus Mouse II

## Clock/Calendar

- Custom integrated circuit with long-life lithium battery

## Disability Access

- CloseView, Easy Access, and visible-beep software are built in.
- Third-party options provide alternative input and output devices

#### Power Requirements

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- Line voltage: 100 to 240 V AC, RMS single phase, automatically configured
- Frequency: 47 to 63 Hz
- Power: 30 W maximum, not including display power

#### ADB Power Requirements

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- Maximum current draw for all ADB devices: 200 mA (three ADB devices maximum is recommended)
- Mouse draws 10 mA
- Keyboard draws 25 to 80 mA (varies with keyboard model used)

#### Size and Weight

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##### Main unit:

- Height: 3.2 in. (8.1 cm)
- Width: 12.2 in. (31.0 cm)
- Depth: 15.0 in. (38.2 cm)
- Weight: 8.8 lbs (4.0 kg) varies with internal devices installed

##### Mouse:

- Height: 1.3 in. (3.3 cm)
- Width: 2.4 in. (6.2 cm)
- Depth: 4.2 in. (10.7 cm)
- Weight: 4.0 oz (0.10 kg)

#### Operating Environment

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- Operating temperature: 50 to 104° F (10 to 40° C)
- Storage temperature: -40 to 116.6° F (-40 to 47° C)
- Relative humidity: 20% to 80% noncondensing
- Maximum altitude: 10,000 ft. (3,048 m)

#### System Software Requirements

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Requires System 7.1 or later and the System Enabler 003.

#### Ordering Information

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##### Macintosh LC III 4/80

##### Order No. M1312LL/A

- Macintosh LC III computer with 4MB of RAM, 512K of VRAM, built-in 1.4MB Apple SuperDrive, and internal 80MB hard disk drive
- Keyboard
- Mouse
- Complete setup, learning, and reference documentation
- System software
- Training disk
- Limited warranty statement

Other Macintosh LC III configurations

- 8MB of RAM
- Internal 40MB or 160MB hard disk
- Without keyboard

Macintosh LC III expansion cards

- Apple Ethernet LC Card
- Apple IIe Card

Macintosh LC III Upgrade Kit (Dealer installation recommended)

Order No. M1386LL/A

- Macintosh LC III logic board and hardware upgrade
- System software
- Complete learning and reference documentation
- Limited warranty statement

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