



Macintosh LC III



The Apple Macintosh LC III is the most powerful member of the Macintosh LC line of desktop personal computers. It delivers the outstanding performance and versatility you need—all in a slim-line, modular design and at an affordable price.

The Macintosh LC III is almost twice as fast as the Macintosh LC II. And the Macintosh LC III can support up to 36 megabytes of RAM, so you can work with multiple applications simultaneously, choosing from more than 6,000 Macintosh applications.

To increase your display choices, the Macintosh LC III provides built-in support for a wide range of Apple and third-party displays, including the Macintosh Color Display (14"), the Macintosh Portrait Display (15"), and the Macintosh 16-inch Color Display. And with 512K of on-board video RAM (expandable to 768K), you get more colors than ever before

from your monitor without having to purchase an additional video card.

The Macintosh LC III is powerful enough to meet your requirements today and versatile enough to grow as your needs change. Your hard drive options include 40-, 80-, and 160-MB hard disks, so you'll have plenty of storage space. For graphics-intensive applications, you can add a floating-point coprocessor. AppleTalk networking is built in, so there's no need to buy additional hardware if you want to access printers, or share files with others.

Multiple ports allow you to expand the system with peripheral devices such as high-capacity CD-ROM and hard drives, scanners, and modems. And a processor-direct slot assures fast access to expansion cards if you need additional capabilities, such as Ethernet networking or Apple IIe emulation.

Macintosh LC III Features

Power and speed

- > 25-MHz 68030 microprocessor; 32-bit data bus
- > Almost twice as fast as the Macintosh LC II

Memory

- > 4 MB of RAM, expandable to 36

Display

- > Supports up to 16-inch Apple displays
- > 256 colors, expandable to 32,768

Expansion

- > Seven built-in ports for peripheral devices
- > Processor-direct slot for additional expansion card
- > Socket for optional math coprocessor

Features Built Into Every Macintosh

Usability

- > Runs thousands of Macintosh applications
- > Easy to set up, learn, use, and extend

System software

- > System 7 with multitasking, file sharing, QuickTime, Balloon Help, TrueType, and more

Networking

- > Built-in AppleTalk networking
- > File sharing without a dedicated server

Compatibility

- > Reads Macintosh, MS-DOS, OS2, and ProDOS floppy disk formats



Macintosh LC III

Technical Specifications

Microprocessor

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

Memory

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

Disk drives

- > One built-in Apple SuperDrive 1.4-MB floppy disk drive
- > One internal 40-, 80-, or 160-MB hard disk
- > Optional external Apple 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")
- > 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. These and third-party options provide alternative input and output devices

Power requirements

- > 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

- > 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

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)

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)

*Weight will vary based on internal devices installed

Operating environment

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

Ordering Information

Macintosh LC III 4/80

Order No. M1312LL/A

- > Macintosh LC III computer with 4 MB of RAM, 512K of VRAM, built-in 1.4-MB Apple SuperDrive, and internal 80-MB 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 40- or 160-MB hard disk
- > Without keyboard

Macintosh LC III expansion cards

- > Apple Ethernet LC Card
- > Apple IIe Card

Macintosh LC III Upgrade Kit*

Order No. M1386LL/A

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

*Dealer installation recommended