



# Tech Info Library

## Macintosh LC 520: Specifications (8/95)

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TOPIC -----

This article gives technical specifications for the Macintosh LC 520 computer.

DISCUSSION -----

### Microprocessor

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- MC68030, 25 MHz clock speed; 32-bit data bus
- Built-in memory-management unit
- Socket for optional MC68882 floating-point unit (FPU)

### Memory

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- 4MB RAM on logic board
- Expandable (by authorized Apple dealer) to as much as 36MB by adding 1MB, 2MB, 4MB, 8MB, 16MB, or 32MB SIMM to a single 72-pin slot. Requirement: 72-pin fast-paged, 80ns or faster.
- 1MB ROM

### Disk Drives

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- One built-in Apple SuperDrive 1.4MB floppy disk drive
- One internal 80MB or 160MB hard disk
- Internal AppleCD 300i double-speed CD-ROM drive

### Video Display

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- Integrated Macintosh Color Display with 14-inch Trinitron CRT
- Resolution: 640 x 480 pixels, 69 dpi
- 768K VRAM supports 32,768 colors (16-bit color)

### Interfaces

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- Internal expansion slot for one Macintosh LC processor-direct expansion card. Compatible with Apple IIe Card.
- SCSI interface for connecting up to five external peripheral devices
- Two serial (RS-232/RS-422) ports
- One stereo sound-output port for external audio amplifier or headphones

- Two Apple Desktop Bus (ADB) ports for keyboard, mouse, and other devices
- Front headphone jack
- Built-in electret microphone above display
- One sound-input port for four sources: included internal microphone, or external Plaintalk Microphone, internal CD-ROM, or other external audio source

#### Sound Generator

- Stereo 8-bit digital-analog conversion using 22-kHz sample rate - capable of driving stereo headphones or other stereo equipment through the sound jack and headphone jack
- Built-in stereo speakers

#### Keyboard and Mouse

- ADB Mouse II
- Keyboard purchased separately only in the K-12 configuration; several ADB keyboards with numeric keypads available

#### 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

- Line voltage: 90 to 264 V AC, RMS single phase, automatically configured
- Frequency: 47 to 63 Hz
- Power: 40 W maximum, not including display  
60 W maximum, including display
- Energy-saving feature reduces power consumption by 50%
- One AC outlet powers computer, display, drives, and speakers

#### ADB Power Requirements

- Maximum current draw for all ADB devices: 500 mA (three ADB devices maximum is recommended)
- Mouse draws 10 mA
- Keyboard draws 25 to 80 mA, depending model used

#### Size and Weight

##### Main unit:

- Height: 17.9 in. (45.5 cm)
- Width: 13.5 in. (34.4 cm)
- Depth: 16.5 in. (42.0 cm)

- Weight: 40.5 lbs (18.4 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)

Operating Environment

- 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 85% noncondensing
- Maximum altitude: 15,000 ft. (4,722 m)

System Software Requirements

Requires System 7.1 or later and the System Enabler 403.

Article Change History:

03 Aug 1995 - Added Plaintalk Microphone information.

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