



# Tech Info Library

## Macintosh LC 475: Specifications (8/95)

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TOPIC -----

This article provides the technical specifications for the Macintosh LC 475 computer system.

DISCUSSION -----

### Microprocessor

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- 68LC040, 32-bit architecture, 25 MHz clock frequency  
Can be upgraded to full 68040, which includes FPU. (Such an upgrade would not come from Apple. Apple has no plans to market an FPU upgrade, nor does Apple officially support this configuration).
- CMOS custom clock/calendar with long-life lithium battery

### Memory

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- 4MB RAM, expandable to 36MB via 72-pin socket. Upgrade with 1MB, 4MB, 16MB single-sided SIMMs; or 2MB, 4MB, or 32MB double-sided SIMMs. Possible configurations are 4MB, 5MB, 6MB, 8MB, 12MB, 20MB, and 36MB. SIMMs are the same as those used in Macintosh LC III, and Centris/Quadra 610 and 650.
- 512K VRAM for 256 colors, expandable to 1MB for 32,000 colors

### Displays

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The LC 475 works with all Apple and many third-party displays from 12-inch to 21-inch, including VGA and portrait displays. A separate Tech Info Library article provides details.

### Storage

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- Built-in Apple SuperDrive 1.4MB high-density floppy disk drive, reads disks from Macintosh, Apple II, MS-DOS, and Windows systems
- Internal 80MB or 160MB SCSI hard disk drive
- Optional external SCSI hard disk drives (several capacities available)
- Optional external AppleCD CD-ROM drive

### Electrical Requirements

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- Line voltage: 90 to 240 volts AC, RMS single-phase
  - Frequency: 50 to 60 Hz
  - Power: 30 watts maximum, not including display power

#### Interfaces

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- One Apple Desktop Bus (ADB) port supports a keyboard, mouse, and other devices (up to three devices) daisy-chained through a low-speed, synchronous serial bus
- Two serial (RS-232/RS-422) ports, 230 kilobits per second maximum (up to 920 Kbits per second if clocked externally)
- SCSI interface for connecting up to six external devices
- Video port supports RGB and monochrome monitors of various sizes and resolutions
- Sound output port for external audio amplifier or headphones
- Sound input port for monaural sound input - Requires Plaintalk Microphone (monaural 8-bit sound, sampled at 22 or 11 kHz)
- Internal expansion slot for one expansion card, which can accommodate 96-pin (as in LC II) or 114-pin (as in LC III) expansion cards. Accepts Apple IIe Card.

#### Keyboard and Mouse

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- ADB keyboard not included; several models available
- Apple ADB Mouse II

#### Apple Desktop Bus Power Requirements

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- Maximum current draw for all ADB devices: 500 milliamperes (mA)
- Recommended maximum of three ADB devices
- Mouse draws 10 mA
- Keyboard draws 25 to 80 mA, depending on model

#### Sound Generator

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Stereo 8-bit sound capable of driving stereo headphones or other stereo equipment through the sound jack.

#### Software

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System Software 7.1 with Enabler 065

#### Disability Access

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

#### Size and Weight

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- Main Unit  
Weight: 8.8 lb. (4.0 kg)  
Height: 3.2 inches (81 mm)

Width: 12.2 inches (310 mm)

Depth: 15.0 inches (382 mm)

- Mouse

Weight: 4 oz. (0.10 kg)

Height: 1.3 inches (33 mm)

Width: 2.4 inches (61.7 mm)

Depth: 4.2 inches (107.3 mm)

#### Environment

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- Operating temperature: 10 to 40 C (50 to 104 F)
- Storage temperature: -40 to 47 C (-40 to 116.6 F)
- Relative humidity: 20% to 95% (noncondensing)
- Maximum altitude: 4722 m (15,000 ft.)

#### Article Change History:

03 Aug 1995 - Added information on Plaintalk Microphone requirements.

08 Oct 1993 - Deleted incorrect reference to FPU socket and VRAM expansion.

13 Oct 1993 - Deleted reference to keyboard, which is not included.

#### Support Information Services

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