



# Tech Info Library

## Macintosh LC: Specifications (Discontinued 3/92)

Article Created: 16 October 1990

Article Last Reviewed: 23 July 1992

TOPIC -----

This article gives technical specifications for the Macintosh LC.

DISCUSSION -----

### MICROPROCESSOR

- 16 MHz MC68020 CPU

### MEMORY

- 2, 4, or 10 MB RAM (Random Access Memory)  
100 nanosecond DRAM
- 512 Kbytes of ROM (Read-Only Memory)
- 256 bytes of settable parameter memory

### KEYBOARD

- Apple Keyboard or Apple Extended Keyboard can be connected through the Apple Desktop Bus port

### MOUSE

- Apple Desktop Bus (ADB) Mouse, mechanical tracking, optical shaft or contact encoding 100 +/- 10 pulses per inch (3.94 +/- 0.39 pulse per mm) of travel.

### DISK DRIVE

- One 1.4 MB high-density (Apple SuperDrive) internal drive. Two internal, floppy drives are supported. The unit ships with the Apple SuperDrive, but the logic board also supports an 800K drive.

### HARD DISK DRIVE

- 3.5-inch 40MB hard drive configuration is available.

### INTERFACES

- One Apple Desktop Bus (ADB) connector for keyboard, mouse, and low-speed input devices.
- Internal 020 Direct Slot through a 96-pin Euro-DIN connector.
- Two RS-232/RS-422 serial ports, 230.4K baud maximum (up to 0.920 Mbit per second if clocked externally).
- Built-In Video DB-15 pin connector, supporting the following monitors:

- + Apple High-Resolution Monochrome Monitor at 2, 4, 16 and 256\* grays
- + Apple Macintosh 12" Monochrome Monitor at 2, 4, 16 and 256\* grays
- + AppleColor High-Resolution RGB Monitor at 2, 4, 16 and 256\* colors/grays
- + Apple Macintosh 12" RGB Monitor at 2, 4, 16 and 256 colors/grays
  - \* requires 512K VRAM upgrade
- SCSI interface
- Monophonic sound port for external audio amplifier
- Sound input port for monaural sound input

#### SOUND INPUT

- Monaural 8-bit sound
- Sound samples can be made at 22 or 11 kilohertz
- Macintosh Audio Compression Expansion (MACE) sound utility, supporting 3:1 or 6:1 compression, which allows approximately half an hour of sound to stored on a single 40-megabyte hard disk.

#### SOUND GENERATION

- Monophonic 8-bit digital-analog conversion using 22-kilohertz sample rate capable of supplying the same signal to both channels of stereo headphones or other stereo equipment through the sound jack.

#### FAN

- 10 CFM axial

#### MICROPHONE

Omnidirectional electret microphone

#### ELECTRICAL REQUIREMENTS

- Line voltage: 90 to 240 volts AC, RMS automatically configured
- Line frequency: 47 to 63 hertz single-phase
- Power consumption: 50 watts maximum, not including monitor power

#### ENVIRONMENTAL REQUIREMENTS

- Operating temperature: 50 to 104 degrees F (10 to 40 C)
- Storage temperature: -40 to 116.6 degrees F
- Relative humidity: 5% to 95% (non-condensing)
- Altitude: 0 to 10,000 ft (0 to 3048 m)

#### SAFETY AND EMI QUALIFICATIONS

- FCC part 15 Class B Computing Devices
- UL 1950 Information Technology Equipment
- CSA (Canadian Standards Assn.) 950 Information Technology Equipment

#### SIZE AND WEIGHT

- Main Unit
  - Height: 3.0 inches (7.7 cm)
  - Width: 12.2 inches (31.0 cm)
  - Depth: 15.0 inches (38.2 cm)
  - Weight: 8.8 lbs. (4.0 kg)
- Apple Keyboard (included)
  - Height: 1.8 inches (44.5 mm)
  - Width: 16.5 inches (418.3 mm)

Depth: 5.6 inches (142.0 mm)

Weight: 2 lbs. 2 oz. (1 kg)

- Apple Extended Keyboard (not included)

Height: 2.3 inches (56.4 mm)

Width: 19.1 inches (486 mm)

Depth: 7.4 inches (188 mm)

Weight: 3 lbs. 10 oz. (1.6 kg)

- Apple Mouse (ADB)

Height: 1.1 inches (2.8 cm)

Width: 2.1 inches (5.3 cm)

Depth: 3.8 inches (9.7 cm)

Weight: 6 oz. (.17 kg)

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Keywords: SPECSHT

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19960215 11:05:19.00

Tech Info Library Article Number: 6178