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Macintosh LC 575: Specifications (Discontinued)

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TOPIC -----

This article provides technical specifications for the Macintosh LC 575 computer. Note that, in the U.S., this model is sold only through educational channels.

DISCUSSION -----

Microprocessor

- MC68LC040, 33 MHz clock speed; 32-bit data bus
- Built-in memory-management unit

Memory

- 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

Storage

- One built-in Apple SuperDrive 1.4MB floppy disk drive
- One internal 160MB or 320MB hard disk
- Internal AppleCD 300i Plus CD-ROM drive with new tray-loading design
 - Does not require a CD caddy
 - Average access time: 295 ms
 - Capacity: 650MB
 - Supported formats: Multisession Photo CD, High Sierra (ISO 9660),
Macintosh HFS, Audio CD, CD + G/CD + MIDI,
CD-ROM XA, CD-I
- Start-up (bootable) CD-ROM with system software

Video Display

- Integrated Macintosh Color Display with 14-inch Trinitron CRT
- Resolution: 640 x 480 pixels, 69 dpi, .26 mm dot pitch
- Two VRAM expansion slots:

Standard 512K VRAM supports 256 colors (8-bit color)
Optional 1MB VRAM supports 32,768 colors (16-bit color)

Interfaces

- Internal expansion slot for one Macintosh LC processor-direct expansion card. Compatible with Apple IIe Card.
- SCSI interface for connecting up to five external devices
- Communication slot can be easily configured -- by the user -- to accept any of three Ethernet cards (10BASE-T, Thin Coax, Apple AUI), or a high-speed 14.4 KB fax/modem (based on PowerBook Express Modem).
- Two serial (RS-232/RS-422) ports
- One stereo sound-output port for external audio amplifier or headphones
- One Apple Desktop Bus (ADB) ports for keyboard, mouse, and other devices
- Front headphone jack
- Built-in microphone above display
- One sound-input port for four sources: internal or external microphone*, internal CD-ROM, or external audio.

* Note: Requires the PlainTalk microphone.

Pull-out Logic Board

Allows easy upgrades to DRAM, VRAM, PDS, and communication slot.

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
- Two built-in stereo speakers
- CD output is 16-bit digital

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 alkaline 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

System Software

Requires System 7.1 or later and the System Enabler 065.

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)

Article Change History -

- 19 Aug 1996 - Corrected misspelling.
- 16 May 1995 - Added microphone information.
- 29 Jun 1994 - Added information regarding VRAM slots.

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