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Macintosh LC 550: Specifications (Discontinued)

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TOPIC -----

This article provides technical specifications for the Macintosh LC 550 computer. Note that, in the U.S., this model is sold only through educational channels.

DISCUSSION -----

Microprocessor

- MC68030, 33 MHz clock speed; 32-bit data bus
- Optional 68882 math coprocessor

PowerPC

- Upgradable to PowerPC when upgrade becomes available

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. SIMM Specification: 72-pin fast-paged, 80ns or faster SIMM.
- 1MB ROM

Storage

- One built-in Apple SuperDrive 1.4MB floppy disk drive
- One internal 160MB hard drive
- Optional 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

Video Display

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- Integrated Macintosh Color Display with 14-inch Trinitron CRT
 - Resolution: 640 by 480 pixels, 69 dpi, .26 mm dot pitch
 - 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
- Internal SCSI interface for connecting optional internal CD-ROM drive
- 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: included internal microphone, or external Plaintalk Microphone, internal CD-ROM, or other external audio source

Pull-out Logic Board

- Allows easy upgrades to DRAM, VRAM, and PDS.

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%
- Energy Star compliant
- 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

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 spelling.
- 03 Aug 1995 - Added information on PlainTalk Microphone requirement.
- 27 Jul 1995 - Corrected misspellings; reviewed.

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