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Macintosh LC 580: Technical Specifications (5/95)

Article Created: 31 March 1995

Article Reviewed/Updated: 24 May 1995

TOPIC -----

This article gives the technical specifications for the Macintosh LC 580 computer.

DISCUSSION -----

Microprocessor

- 66/33 MHz 68LC040
- Socketed for easy microprocessor replacement for future upgrades (PowerPC) or third party expansion (microprocessor with built-in FPU)

Memory

- 8 MB of RAM (4 MB soldered to logic board, one 4 MB SIMM installed)
- expandable to 52 MB
- two 72-pin SIMM sockets
- 32-bit memory bus
- 80 ns or faster

Form Factor

All-in-one design similar to Macintosh LC 575.

Disk Drives

- 1.4 MB Apple SuperDrive floppy - read and write MS-DOS disks
- 500 MB IDE hard drive, 1/3 height
- Dual speed CD-ROM drive
- 650+ MB capacity
- 295 ms average access time

Video Display

- 14" high resolution display
- .28 mm dot pitch
- 640 x 480 pixel resolution
- 32K colors built-in

- Low emissions (ELF/VLF)

Expansion & Ports

- LC Processor direct slot
- Video-in slot
- 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
- Apple EVC (External Video Connector, part number M4099LL/A)
 - Purchased separately from the computer itself, this internal cable allows you to connect a Macintosh compatible display externally for video mirroring functionality.
- Built-in microphone above display
- One sound-input port for internal or external microphone*, internal CD-ROM

* - Note: Requires PlainTalk microphone.

Audio System

- Plays and Records at 11 k-Hz or 22kHz sample rate
- Two speakers with enhanced stereo sound
- Plays ordinary compact disks w/ CD ROM drive

Networking

- User installable Ethernet cards for 10Base-T, Thin Coax, and AAUI
- User installable 14.4KB Fax Modem card

Keyboard

- Supports all Apple Desktop Bus (ADB) keyboard

Mouse

- Apple Desktop Mouse 11: mechanical tracking, optical shaft, or contact encoding
- Maximum power draw for all ADB devices is 500mA
- Mouse draws 10mA

Clock/Calendar

- CMOS custom chip with battery

Disability Access

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

Electrical Requirements

- Line voltage:100 to 240V AC, RMS automatically configured
- Frequency: 50 to 60 Hz(+/-) 3 Hz single phase
- Power:120 W maximum

ADB Power Requirements

- Maximum power draw for all ADB devices is 500mA
- Mouse draws 10mA
- Keyboard draws 10mA

Size and Weight

- Height 17.9 in. (45.5 cm)
- Width 13.5 in. (34.4 cm)
- Depth 16.5 in. (42.0 cm)
- Weight 40.5 lb. (18.4 kg)

Operating Environment

- 10°C to 40° C (50°F to 104°F)

System Software Requirements

- Mac OS System 7.5 with Apple Guide, AppleScript and PC Exchange included

Article Change History:

- 24 May 1995 - Further clarified optional FPU information.
- 22 May 1995 - Added information about external video connector option.
- 19 May 1995 - Clarified optional FPU.

Support Information Services

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Keywords: specsht

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19960215 11:05:19.00

Tech Info Library Article Number: 17487