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Performa 550: Specifications (11/95)

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TOPIC -----

This article gives technical specifications for the Macintosh Performa 550 computer.

DISCUSSION -----

Microprocessor

- MC68030, 33 MHz clock speed; 32-bit data bus
- Built-in memory-management unit
- Socket for optional MC68882 floating-point unit (FPU)

Memory

- 5MB RAM standard (4MB on logic board, 1MB in SIMM)
- 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

Disk Drives

- One built-in Apple SuperDrive 1.4MB floppy disk drive
- One internal 160MB hard disk
- Internal AppleCD 300i double-speed CD-ROM drive

Video Display

- Integrated Macintosh Color Display with 14-inch Trinitron CRT
- Resolution: 640 x 480 pixels, 69 dpi
- 768K (512K on main board and 256K SIMM) VRAM supports 32,768 colors (16-bit color)

Software

- System Software version 7.1P5
- Educational and productivity software installed on hard drive

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 peripheral devices
- Two serial (RS-232/RS-422) ports
- One stereo sound-output port for external audio amplifier or headphones
- Two Apple Desktop Bus (ADB) ports for keyboard, mouse, and other devices
- Front headphone jack
- Built-in electret microphone above display
- One sound-input port for four sources: internal or external* microphone, internal CD-ROM, or external audio

*NOTE:

The Apple PlainTalk Microphone, which is sold as a standalone product, is compatible with these systems. These products cannot use the older style low-level output microphone used on previous Macintosh models.

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
- Built-in stereo speakers

Keyboard and Mouse

- ADB Mouse II
- Apple Keyboard II

Clock/Calendar

- Custom integrated circuit with long-life lithium 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

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)

Keyboard:

- Weight: 2.2 lb. (1 kg)
- Height: 1.8 inches (44 mm)
- Width: 16.5 inches (418 mm)
- Depth: 5.6 inches (142 mm)

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:

- 01 Nov 1995 - Corrected VRAM size.
- 15 Aug 1995 - Included information about PlainTalk microphone.

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