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Performa 575, 577, 578: Specifications (Discontinued)

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TOPIC -----

This article provides technical specifications for the Macintosh Performa 575, 577, and 578 computer systems. These products differ in four ways:

- Amount of RAM installed
- Hard drive capacity
- Application software installed
- Where sold

DISCUSSION -----

Microprocessor

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

Memory

- 5MB or 8MB RAM (4MB RAM on logic board)
- Expandable 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 250MB 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
- Standard 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 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
- Apple Desktop Bus (ADB) keyboard with numeric keypad and two-level tilt adjustment

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

Software

- Macintosh System Software version 7.1P6, designed specifically for Performa computers. The Performa 575 series requires System Enabler 364.
- At Ease software lets adults share the computer with children -- while protecting valuable data.
- Macintosh PC Exchange lets you work with MS-DOS and Windows disks.
- Application software: a selection of productivity and communication tools already installed on the hard drive.
- Launcher software provides easy way to launch applications, and provides easy access to service and support information, user tips, etc.

Telecommunications

- External Global Village TelePort Bronze modem includes fax send software, (receive software upgrade available from Global Village).

Service and Support

- One year limited warranty
- One year free in-home service
- Toll-free help line
- Support for non-Apple software is provided by the respective software publishers.

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

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- 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 Reviewed/Updated:

- 19 Aug 1996 - Changed misspelling.
- 16 May 1995 - Added microphone information.
- 18 Oct 1994 - Updated modem information.

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