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Performa 450: Specifications (7/95)

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TOPIC -----

This article provides technical specifications for the Macintosh Performa 450 computer.

DISCUSSION -----

Microprocessor

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- MC68030, 32-bit architecture, 25 MHz clock speed
- Socket for optional 68882 FPU
- CMOS custom clock/calendar with long-life lithium battery

Memory

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- 4 MB RAM on logic board, expandable to 36 MB via one 72-pin SIMM slot
- 512K Video RAM (VRAM) for 256 colors on the Apple Performa PLUS Display.
- VRAM is expandable to 768K for 32,000 colors.

Video Display

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- Apple Performa Plus Display standard:
 - . - 14-inch color display
 - . - 640 x 480 pixels
 - . - 0.29mm dot pitch
 - . - Meets international magnetic-field emissions guidelines
 - . (SWEDAC MPR2)

Storage

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- One internal SuperDrive 1.4 MB high-density floppy-disk drive, reads disks . from Macintosh, Apple II, MS-DOS, and Windows systems
- One internal 120MB SCSI hard disk drive
- Optional external SCSI hard disk drive (many capacities available)
- Optional external AppleCD CD-ROM drive

Modem

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- TelePort/Bronze for Macintosh Performa

- . (from Global Village Communication, Inc.)
- GlobalFax software (send-only fax) for 9600-baud faxing from any application
- . to fax machines worldwide (upgradable to receive fax via software)
- Modem also serves as 300/1200/2400-baud data modem
- No separate power adapter required

Power Input

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- Line voltage: 90 to 240 volts AC, RMS automatically configured
- Frequency: 47 to 63 Hz single phase
- Power: 50 watts maximum, not including display power

Interfaces

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- One Apple Desktop Bus (ADB) port supports a keyboard, mouse, and other
- . devices daisy-chained through a low-speed, synchronous serial bus
- Two serial (RS-232/RS-422) ports, 230 kilobits per second maximum
- . (up to 0.920 megabits per second if clocked externally)
- SCSI interface for connecting up to six external devices
- Video port supports RGB and monochrome monitors of various sizes and
- . resolutions
- Sound output port capable of delivering monophonic sound to both
- . channels of a stereo device
- Sound input port for monaural sound input
- . (monaural 8-bit sound, sampled at 22 or 11 kHz)
- Internal expansion slot for one processor-direct expansion card

Keyboard and Mouse

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- Apple Desktop Bus (ADB) keyboard with numeric keypad and two-level tilt
- . adjustment
- Apple ADB Mouse II

Apple Desktop Bus Power Requirements

- Maximum current draw for all ADB devices: 200 milliamperes (mA)
- Recommended maximum of three ADB devices
- Mouse draws 10 mA
- Keyboard draws 25 mA

Microphone

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- Hands-free omnidirectional electret microphone included

Sound Generator

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Custom sound chip, including mono sampling generator capable of driving stereo miniature phone jack headphones, or stereo equipment by sending the same output into each channel.

Software

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- Macintosh System Software version 7.1P, designed specifically for Performa . computers.
- 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.

Disability Access

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

Size and Weight

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Main Unit

Weight: 8.8 lb. (4.0 kg)
 Height: 3.0 inches (77 mm)
 Width: 12.2 inches (310 mm)
 Depth: 15.0 inches (382 mm)

Mouse

Weight: 6 oz. (0.17 kg)
 Height: 1.1 inches (27.9 mm)
 Width: 2.1 inches (53.3 mm)
 Depth: 3.8 inches (96.5 mm)

Keyboard

Weight: 2 lb. (1 kg)
 Height: 1.8 inches (44 mm)
 Width: 16.5 inches (418 mm)
 Depth: 5.6 inches (142 mm)

Environment

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- Operating temperature: 10 to 40° C (50 to 104° F)
- Storage temperature: -40 to 47° C (-40 to 116.6° F)
- Relative humidity: 20% to 80% (noncondensing)
- Maximum altitude: 3048 m (10,000 ft.)

Service and Support

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- 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.

Article Change History:

07 Jul 1995 - Corrected information about number of SIMM slots.

26 Jul 1994 - Expanded information on sound generation

Support Information Services

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