# Tech Info Library

## Performa 200: Specifications

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Revised:        4/5/93
Security:       Everyone


Performa 200: Specifications


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Article Change History
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04/05/93  - CORRECTED
              • But 4MB configuration still includes just 2MB on the board.
01/19/93  - CORRECTED
              • Now ships in 4MB configuration.
11/02/92 - REVISED
              • To correct system software version number



TOPIC ------------------------------------------------------------

This article provides technical specifications for the Macintosh Performa 200
computer.

DISCUSSION -------------------------------------------------------

Microprocessor
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- MC68030, 32-bit architecture, 16 MHz clock speed

Memory
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• The Performa 200 comes with 2MB of RAM on the logic board and two
  memory expansion slots for SIMMs (Single In-line Memory Modules),
  which are initially filled with 2 1MB SIMMs for a total of 4MB.

• Expandable to 10MB of RAM by installing SIMMs in the available slots
  (dealer installation required).

• 512K of ROM

• Virtual Memory capable

## Disk Drives
-----------
- Built-in Apple SuperDrive 1.4MB floppy disk drive

- 1/3 height internal 80MB Apple SCSI hard disk drive

- Optional external Apple SCSI hard disk drive(s)

## Video display
-------------
- Built-in 9-inch diagonal, high-resolution (512 by 342 pixels) bitmapped
  monochrome display

## Interfaces
----------
- One Apple Desktop Bus (ADB) port, supporting 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, using a 50-pin internal connector and a DB-25 connector
  for the first external device; all subsequent SCSI-based peripherals use
  standard SCSI-to-SCSI interface cables.

- 3.5-inch external floppy disk drive (800K or 1.4MB) interface

- Sound port for external audio amplifier or headphones

- Sound-in port for monaural sound input

## Keyboard
---------
- ADB keyboard with numeric keypad

- Two-level tilt adjustment

## Mouse
-----
- Apple Desktop Bus (ADB) Mouse, mechanical tracking, optical shaft or contact
  encoding: 90 to 110 pulses per inch (3.51 to 4.29 pulses per mm) of
  travel

## Microphone
----------
- Electret, omnidirectional; output voltage is 4 millivolts, peak to peak,
  at normal volume.

## Sound Generator
---------------
- Monophonic 8-bit digital-analog conversion using 11- or 22-kilohertz
  sample rate, capable of driving stereo headphones or other stereo

equipment through the sound jack

Clock/Calendar
--------------
• Custom chip with long-life lithium battery

Fan
---
• 10 cu. ft./min. axial

• Positive pressure cooling

System Software
---------------
At introduction, the Performa 200 ships with System Software version 7.0.1P.
This version has all the functionality and power of System 7.0.1, with special
enhancements for first-time users:

• Application Launcher. Provides easy location and launching of all
  applications while retaining full Finder access.

• Default Document Folder. Provides a default location for storing documents.

• Layer Hiding. Provides easier navigation by hiding non-active layers.  Users
  can easily switch to the Finder or to another program from the application
  menu.

• At Ease. Lets adults share the Performa 200 with others, and makes it easy
  for children to launch applications -- while protecting the hard disk.

• Backup & Restore.  An easy way to create a set of back-up disks, and to
  restore the contents of the hard disk if necessary.

Disability Access
-----------------
• CloseView, Easy Access, and visible beep included with system software.
  These features and third-party options provide alternative input and
  output tools for people with disabilities.

Electrical Requirements
-----------------------
• Line voltage: 120 volts AC, RMS (nominal)

• Frequency: 47 to 63 Hz, single phase

• Power: 100 watts maximum

ADB Power Requirements
----------------------
• Maximum current draw for all ADB devices: 500 milliamps (a maximum of
  three devices is recommended)

• Mouse draws 80 milliamps.

• Keyboard draws 25 milliamps.

Size and Weight
---------------
• Main unit
  - Height 13.2 inches (33.6 cm)
  - Width   9.7 inches (24.6 cm)
  - Depth  11.2 inches (28.5 cm)
  - Weight 17.1 lb. (7.8 kg)

• Mouse
  - Height  1.1 inches (2.8 cm)
  - Width   2.1 inches (5.3 cm)
  - Depth   3.8 inches (28.5 cm)
  - Weight  6 oz. (.17 kg)

• Keyboard
  - Height  1.3 inches (3.3 cm)
  - Width  16.0 inches (40.5 cm)
  - Depth   5.9 inches (15.1 cm)
  - Weight  1.96 lb. (.89 kg)

Operating Environment
---------------------
• Operating temperature: 50 to 104 degrees F (10 to 40 degrees C)

• Storage temperature: -40 to 116.6 degrees F (-40 to 47 degrees C)

• Relative humidity: 5% to 95% noncondensing

• Maximum altitude: 15,000 ft. (4,722 m)


Noise Level
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  < 40db measured from the seated operator position.

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