



# Tech Info Library

## Power Macintosh 8500/120: Description (9/96)

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TOPIC -----

This article contains a description of the Power Macintosh 8500/120 computer.

DISCUSSION -----

Overview

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If your profession demands a high-performance, expandable computer that can handle any media as easily as text, the Apple Power Macintosh 8500/120 system is for you. Featuring a new Power Macintosh architecture with even greater multimedia capabilities than previous models, the 8500/120 is the system of choice for in-house publishing, media authoring, and technical applications.

Built-in video input and output capability of near-broadcast quality, high-resolution graphics (up to 1,280 by 1,024 pixels), and CD-quality stereo sound add vitality to professional projects and let you explore new computer-enabled applications. For example, the Power Macintosh 8500/120 supports the capture of quarter-screen video in real time. Combine this capability with Apple's QuickTime software, and media authoring has never been easier.

Three Peripheral Component Interconnect (PCI) slots let you take advantage of a wide range of high-performance expansion cards. Because PCI is an industry standard, you can find inexpensive PCI cards for a variety of uses, including video compression, video production, and high-speed networking. Many PCI cards include the necessary software to work with Macintosh systems.

With a PowerPC 604 RISC processor running at 120 megahertz that you can upgrade yourself when faster versions become available, the Power Macintosh 8500/120 offers high-end PowerPC technology now—with plenty of room to grow later.

Power Macintosh 8500 systems run most applications written for 680x0-based Macintosh computers, as well as applications that have been accelerated to take advantage of their PowerPC processors. By adding SoftWindows software from Insignia Systems, you can also run MS-DOS and Windows applications, enabling the 8500 to fit into almost any computing environment.

The Power Macintosh 8500/120: Exceptional performance for handling even the most complex computing tasks and enhancing your creativity.

## Features

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### High Performance

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- 120-MHz PowerPC 604 processor, user upgradable to faster processor when available (up to 150 MHz)
- Built-in floating-point processor and 32K cache
- 256K level-2 cache on a DIMM

### Communications and multimedia

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- 64-bit VRAM graphics subsystem
- Two high-speed serial ports compatible with GeoPort and LocalTalk cables
- Quadruple-speed CD-ROM drive
- 16-bit stereo audio input and output
- 24-bit composite and S-video input and output
- Support for speech-recognition and text-to-speech capabilities
- Optimized for QuickTime Conferencing software

### Expandability

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- Three industry-standard PCI expansion slots
- SCSI connector for hard disks, CD-ROM drives, and other SCSI devices
- Internal expansion bay for additional hard disk drive

### Compatibility

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- 10Base-T and AAUI Ethernet connectors
- Open Transport networking software (TCP/IP and AppleTalk)
- Runs 680x0 Macintosh applications as well as applications accelerated for Power Macintosh computers
- Allows you to open and use MS-DOS 6.0 and Windows 3.1 documents and disks
- Runs MS-DOS and Windows applications via SoftWindows software (not included) System 7.5 software
- Makes working with different applications consistent, so they are easier to learn and use
- Allows easy customization of your Macintosh to reflect the way you work
- Provides active assistance in learning new features with Apple Guide

### Included Software

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The Power Macintosh 8500/120 series comes with Macintosh System Software 7.5.2. The following Apple and third-party software is also included:

- eWorld 1.1

- Apple Telecom 2.1
- Megaphone 1.0.2sp (which does not include the 30-day trial of Megaphone's advanced telephony features)
- Drive Setup 1.0 (a new version, with a new user interface, of the hard drive setup utility that included support for: partitioning drives, larger drive volumes - up to 2 terabytes - and removable media drives)
- CD-ROM 5.1
- Energy Saver
- Energy Saver Apple Guide (on-line active assistance)
- Apple Video Player (Allows simple display, capture and cut and paste of video input)
- Sound & Displays control panel (replaces the current Monitors, Sounds, and AV Setup control panels, providing a simplified interface that makes all of the video, monitor, and sound input and output much more accessible and usable)
- Sound & Displays Apple Guide (on-line active assistance)
- Control Strip (like the control strip on PowerBooks)
- PlainTalk 1.4 (which includes all the new TTS voices and a scaled back version of the Speech Recognition)
- Simple Sound (which provides users with an easy way to record sounds)
- QuickTime 2.09
- QuickDraw 3D
- Video Shop (AVID VideoShop 3.0.2 will be included to support an out-of-box editing solution)
- Lotus Notes Express (a \$99 value, Lotus Notes Express introduces Power Macintosh customers to this industry-standard "groupware" product and gives them access to seven frequently used Lotus Notes applications)

#### What's In The Box

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The Power Macintosh 8500 series computers will ship with the following components in the box:

- Power Macintosh 8500/120 computer
- Mouse
- PlainTalk Microphone
- Power cable
- Power Macintosh 8500 User's Guide
- Power Macintosh 8500 Technical Specifications
- Power Macintosh 8500 bootable CD
- Product Registration card
- eWorld Subscriber Agreement
- eWorld Brochure
- PCI Brochure
- RSA coupon
- Apple Resource Guide
- Warranty Card, decals, software license agreement, Visa application form
- Packing Slip

#### Ordering Information

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Power Macintosh 8500/120 16/1 GB/4xCD Configuration\*

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- Power Macintosh 8500/120 computer with 16 MB of RAM, a built-in 1.4 MB Apple SuperDrive floppy disk drive, an internal 1 GB hard disk drive, an internal quadruple-speed CD-ROM drive, and a PlainTalk microphone
  - Order No. M3104LL/A

Power Macintosh 8500/120 16/2 GB/4xCD Configuration\*

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- Power Macintosh 8500/120 computer with 16 MB of RAM, a built-in 1.4 MB Apple SuperDrive floppy disk drive, an internal 2 GB hard disk drive, an internal quadruple-speed CD-ROM drive, and a PlainTalk microphone
  - Order No. M3105LL/A

Power Macintosh 8500 Logic Board Upgrade

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- Owners of the Macintosh Quadra 800 and 840AV; Workgroup Server 80 and 8150; and Power Macintosh 8100/80, 8100/100, and 8100/110 will be able to upgrade to the Power Macintosh 8500/120 via a logic board upgrade.
  - Order No. M3807LL/A

NOTE: This upgrade will not be available until 2 months after the introduction date of the Power Macintosh 8500 series computers.

Power Macintosh GeoPort Telecom Adapter

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- Order No. M3127LL/A

\* All configurations include mouse; system software version 7.5.2; eWorld on-line service software; complete setup, learning, and reference documentation; and limited warranty. Product specifications are subject to change. Check with your Apple reseller for the most current information about product specifications and configurations.

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17 Sep 1996 - Clarified energy saving information.  
12 Jul 1996 - Modified title.  
01 Sep 1995 - Made minor corrections.

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