



# Power Macintosh 8500/150 and 8500/180

## Features

### High performance

- 150-MHz PowerPC 604 processor or 180-MHz PowerPC 604e processor, user-upgradable to faster processor when available (up to 250 MHz)
- Built-in floating-point processor and 32K cache for 8500/150 and 64K cache for 8500/180
- 256K level 2 cache on a DIMM
- Built-in graphics acceleration

### Communications and multimedia

- 64-bit VRAM graphics subsystem
- Two high-speed serial ports compatible with GeoPort and LocalTalk cables
- 8x-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

- 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

- Includes 10BASE-T and AAUI Ethernet connectors
- Supports Open Transport networking software (TCP/IP and AppleTalk)
- Runs 680x0 Macintosh applications as well as applications accelerated for Power Macintosh computers
- Reads Mac OS, Windows, MS-DOS, OS/2, and ProDOS floppy disk formats
- Runs MS-DOS and Windows applications via optional PC Compatibility Cards
- Comes with all of the software required for Internet access

### System 7.5 software

- Makes working with different applications consistent, so they're 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
- Includes MacLinkPlus file translation software from DataViz

If your profession demands a high-performance, expandable computer that can handle any media as easily as text, opt for a Power Macintosh 8500 system. Depending on your needs and cost considerations, you can choose the Power Macintosh 8500/150 or the 8500/180, featuring a 150-MHz PowerPC 604 processor, or a 180-MHz PowerPC 604e processor, respectively. Both high-performance systems make an ideal choice for in-house publishing, media authoring, and technical applications—and because they're processor-upgradable, they protect your investment for the future.

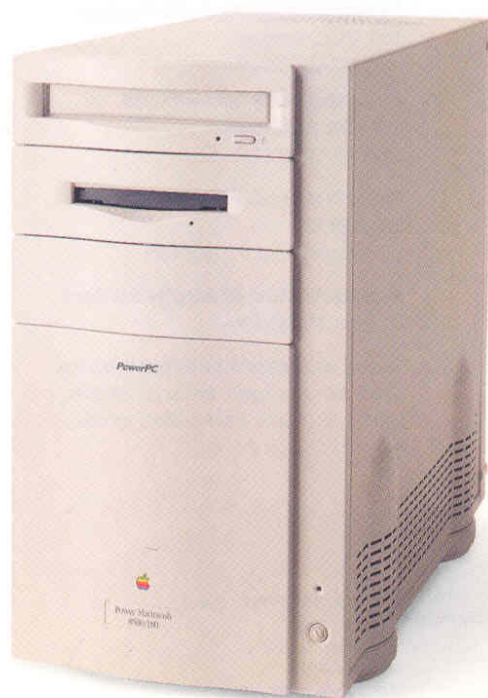
Built-in near-broadcast-quality video-input/output capabilities, high-resolution graphics, an 8x-speed CD-ROM drive, and CD-quality stereo sound add vitality to professional projects and—with Apple's QuickTime software—make media authoring easy.

The three industry-standard Peripheral Component Interconnect (PCI) high-performance expansion slots on these systems let you customize them easily to meet your needs more precisely. You can find PCI cards for a variety of uses, including graphics, storage, and high-speed networking. And if you want to use your Power Macintosh 8500/150 or 8500/180 to run MS-DOS and Windows applications as well as software written for the Macintosh, you can install a PC Compatibility Card from Apple in one of the PCI slots—and switch instantly between computing environments.

Connecting your Power Macintosh 8500/150 or 8500/180 computer to an Ethernet network is easy because it includes both AAUI and 10BASE-T connectors. If you install an optional PC Compatibility Card, you can connect from both the card and the Macintosh logic board simultaneously, for incredibly versatile networking capabilities.

Today, more and more computer users are discovering the wealth of information and communications resources and opportunities offered by the Internet. The Power Macintosh 8500/150 and 8500/180 make it easy to get involved in this rapidly expanding community, because they come with all of the software you need for easy Internet access.

The Power Macintosh 8500/150 and 8500/180: Exceptional performance for handling any media as easily as text, to enhance your creativity.





# Power Macintosh 8500/150 and 8500/180

## Ordering Information

### Power Macintosh 8500/150

Order No. M5347LL/A

- Power Macintosh 8500/150 computer with 16MB of RAM, a built-in 1.4MB Apple SuperDrive floppy disk drive, an internal 2GB hard disk drive, an internal 8x-speed CD-ROM drive, and a PlainTalk microphone

### Power Macintosh 8500/180

Order No. M5348LL/A

- Power Macintosh 8500/180 computer with 16MB of RAM, a built-in 1.4MB Apple SuperDrive floppy disk drive, an internal 2GB hard disk drive, an internal 8x-speed CD-ROM drive, and a PlainTalk microphone

### Power Macintosh 8500/180

Order No. M5349LL/A

- Power Macintosh 8500/180 computer with 32MB of RAM, a built-in 1.4MB Apple SuperDrive floppy disk drive, an internal 2GB hard disk drive, an internal 8x-speed CD-ROM drive, and a PlainTalk microphone.

All configurations include mouse; system software version 7.5.3 or later; Internet access software; complete setup, learning, and reference documentation; and limited warranty.

## PC Compatibility Card Solutions

### PC Compatibility Card with Pentium 100-MHz processor

Order No. M4092LL/A

### PC Compatibility Card with 586 100-MHz processor

Order No. M4091LL/A

### Power Macintosh Processor Card Upgrade Kit

Order No. M5458LL/A (180 MHz)

### Apple QuickDraw 3D Accelerator Card

Order No. M4333LL/A

Product specifications are subject to change. Check with your Apple reseller for the most current information about product specifications and configurations.

## Technical Specifications

### Upgradable microprocessor

- 150-MHz or 180-MHz PowerPC 604e microprocessor, upgradable to a higher-speed processor when available (up to 250 MHz)
- Integrated floating-point unit, 32K cache for 8500/150 and 64K cache for 8500/180, and three integer units
- High-speed system bus (up to 50 MHz)
- Upgradability (up to 250 MHz)

### Memory

- 16MB or 32MB of RAM, expandable to 512MB via 8 DIMM sockets
- 4MB of ROM
- 256K level 2 cache

### Disk drives

- Internal 1.2GB or 2GB Fast SCSI hard disk
- Internal Apple SuperDrive floppy disk drive
- Accepts high-density 1.4MB disks and 800K disks
- Reads, writes, and formats Macintosh, Windows, MS-DOS, OS/2, and ProDOS disks
- Internal 8x-speed CD-ROM drive
- Expansion bay for additional 3.5-inch hard disk

### Interfaces

- Three PCI expansion slots compatible with PCI 2.0-compliant cards
- Two high-speed DMA serial (RS-232/RS-422) ports compatible with LocalTalk and GeoPort cables
- 10BASE-T and AUI-15 Ethernet connectors; optional PC Compatibility Cards provide multinode support for simultaneous network connections
- Internal Fast SCSI bus (up to 10MB/s)
- External SCSI bus (up to 5MB/s)
- Apple Desktop Bus (ADB) expansion port
- RCA phono jacks for line-level stereo audio input and output
- Mini jacks for stereo audio input and output
- All sound ports support 16-bit audio and up to 44.1-kHz sampling rate
- DB-15 connector for monitor
- Composite connectors (RCA phono jacks) for composite video input and output
- S-video input and output connectors
- Internal digital audio/video (DAV) connector for video compression/decompression cards

### Video input/output subsystem

- 24-bit video input
- Real-time video playthrough of up to 640 by 480 pixels with NTSC; 768 by 576 pixels with PAL and SECAM
- Up to 320- by 240-pixel capture at 25 frames per second with NTSC (with 2GB drive)
- Maximum capture size of 640 by 480 pixels with NTSC
- 24-bit video output
- Support for NTSC and PAL
- Convolution for flicker reduction at all bit depths

### Graphics support

- 2MB of VRAM, expandable to 4MB
- Fast 64-bit data path to VRAM
- Support for display resolutions of up to 1,280 by 1,024 pixels
- 24-bit color up to 1,152- by 870-pixel resolution
- Refresh rate of up to 75 Hz

### GeoPort telephony\*

- 14.4-Kbit/s modem support
- V.17 fax support
- GeoPort Fax and GeoPort Telephony software included
- Speakerphone and answering-machine capability

### Clock/calendar

- Custom integrated circuit with long-life battery

### Keyboard and mouse

- Supports ADB keyboards with numeric keypads
- Comes with an ADB Mouse II

### Electrical requirements

- Line voltage: 100 to 125/200 to 240 V AC, RMS single phase, automatically configured
- Frequency: 50 to 60 Hz, single phase
- Power: 225 W maximum, not including display

### ADB power requirements

- Maximum current draw for all devices: 500 mA (a maximum of three ADB devices is recommended)
- Mouse draws 10 mA
- Keyboard draws 25 to 80 mA (varies with keyboard used)

### Size and weight

- Height: 14 in. (35.6 cm)
- Width: 7.7 in. (19.6 cm)
- Depth: 15.75 in. (40.0 cm)
- Weight: 25 lb. (11.3 kg)

### Environmental requirements

- Operating temperature: 50° to 104° F (10° to 40° C)
- Storage temperature: -40° to 116° F (-40° to 47° C)
- Relative humidity: 5% to 95% noncondensing
- Maximum altitude: 10,000 ft. (3,048 m)

\* Requires GeoPort Telecom Adapter

Apple Computer, Inc.  
1 Infinite Loop  
Cupertino, CA 95014  
(408) 996-1010  
<http://www.apple.com/>

© 1996 Apple Computer, Inc. All rights reserved. Apple, the Apple logo, Apple SuperDrive, AppleTalk, GeoPort, LocalTalk, Mac, Macintosh, PlainTalk, Power Macintosh, ProDOS, QuickDraw, and QuickTime are trademarks of Apple Computer, Inc., registered in the U.S.A. and other countries. MS-DOS and Windows are registered trademarks of Microsoft Corporation. OS/2 is a trademark of International Business Machines Corporation. PowerPC is a trademark of International Business Machines Corporation, used under license therefrom. Mention of non-Apple products is for informational purposes only and constitutes neither an endorsement nor a recommendation. Apple assumes no responsibility with regard to the selection, performance, or use of these products. All understandings, agreements, or warranties, if any, take place between the vendors and the prospective users.  
July 1996. Product specifications are subject to change without notice. Printed in the U.S.A.  
L01073C