



# Power Macintosh 8600/300

## Features

### High performance

- 300-MHz PowerPC processor
- Integrated Iomega Zip drive
- Built-in floating-point processor and 32K on-chip data and instruction caches
- 1MB Apple Inline Cache (level 2)
- Built-in accelerated graphics card

### Communications and multimedia

- 64-bit VRAM graphics subsystem
- Two high-speed serial ports compatible with GeoPort and LocalTalk cables
- 24x-speed (maximum) CD-ROM drive
- 16-bit stereo audio input and output
- 24-bit composite and S-video input and output

### Expandability

- Three industry-standard PCI expansion slots
- SCSI connector for hard disks, CD-ROM drives, and other SCSI devices
- Expansion bays for additional storage devices (3.5- or 5.25-inch)

### Compatibility

- Includes 10BASE-T and AAUI-15 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 Card from Apple
- Comes with all of the software required for Internet access

### Mac OS 7.6.1 system 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, look to the Power Macintosh 8600/300. This powerful computer is optimized for work on a variety of media (audio, video, or graphics) tasks.

Featuring a 300-megahertz PowerPC processor, the Power Macintosh 8600/300 offers outstanding performance. The new 1MB Apple Inline Cache on the processor card provides direct access to the level 2 cache at 100 megahertz—a first for the Power Macintosh line. And the tower design provides incredibly easy access to the computers' components, as well as accommodating a built-in Iomega Zip drive on some configurations.

Built-in near-broadcast-quality video-input/output capabilities, a fast hard disk drive, and a 24x-speed (maximum) CD-ROM drive add vitality to professional projects and—with Apple's QuickTime software—make media authoring on a Power Macintosh 8600/300 computer simple. Networking is also a simple matter on this computer, because it includes both Ethernet (AAUI-15 and 10BASE-T) and LocalTalk ports. It even comes with all the software you need to access the Internet.

The three industry-standard Peripheral Component Interconnect (PCI) high-performance expansion slots on the Power Macintosh 8600/300 lets you easily customize

the system to meet your needs more precisely. For example, if you want to run MS-DOS and Windows applications as well as software written for the Macintosh, you can install a PC Compatibility Card from Apple—and switch instantly between computing environments.

In fact, the Power Macintosh 8600/300 gives you yet another system software option. Although it comes with Mac OS 7.6.1 installed, Apple will also provide Mac OS 8 on CD-ROM, so you can upgrade when you're ready. Mac OS 8 is the latest, greatest version of the popular Macintosh system software, providing significant performance enhancements, integrated Internet capabilities, and state-of-the-art multimedia designed to increase not only your productivity but also your enjoyment.

The Power Macintosh 8600/300: Exceptional performance for media authoring—or any work with video, audio, or graphics—to enhance your creativity.





# Power Macintosh 8600/300

## Ordering Information

### Power Macintosh 8600/300

Order No. M6092LL/A

- Power Macintosh 8600/300 computer with 32MB of RAM, a built-in 1.4MB Apple SuperDrive floppy disk drive, an internal 4GB hard disk drive, an internal 24x-speed (maximum) CD-ROM drive, an internal Iomega Zip drive, and a PlainTalk microphone. Includes key-board and mouse; Mac OS 7.6.1 or later; Internet access software; complete setup, learning, and reference documentation; and limited warranty.

### Power Macintosh 8600/300

Order No. M6342LL/A

- Power Macintosh 8600/300 computer with 32MB of RAM, a built-in 1.4MB Apple SuperDrive floppy disk drive, an internal 4GB hard disk drive, an internal 24x-speed (maximum) CD-ROM drive, and a PlainTalk microphone. Includes key-board and mouse; Mac OS 7.6.1 or later; Internet access 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.

## Technical Specifications

### Processor

- 300-MHz 604e PowerPC microprocessor
- Integrated floating-point unit, 32K on-chip data and instruction caches
- 1MB Apple Inline Cache (level 2) on processor card

### Memory

- 32MB of RAM, supports up to 512MB via 8 DIMM sockets
- 4MB of ROM

### Disk drives

- Internal 4GB Fast SCSI hard disk
- Internal Apple SuperDrive floppy disk drive
  - Accepts high-density 1.4MB disks and 800K disks
  - Reads, writes, and formats Mac OS, Windows, MS-DOS, OS/2, and ProDOS disks
- Expansion bays for additional storage devices—four 5.25-inch removable bays, three internal bays (open bays vary with configuration)

### 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 AAUI-15 Ethernet connectors
- 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 capabilities

- 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
  - Maximum capture size of 640 by 480 pixels w/NTSC
- 24-bit video output; Support for NTSC and PAL; Convolution for flicker reduction at all bit depths

### Graphics support

- 2MB of VRAM, supports up to 4MB
- Fast 64-bit data path to VRAM
- Support for display formats 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\*

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

### Electrical requirements and compliance

- Line voltage: 100 to 125/200 to 240 V AC, RMS single phase, automatically configured
- Frequency: 50 to 60 Hz, single phase
- Power: 300 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: 17.3 in. (44.0 cm)
- Width: 9.7 in. (24.6 cm)
- Depth: 17.3 in. (44.0 cm)
- Weight: 35.0 lb. (15.9 kg)\*\*

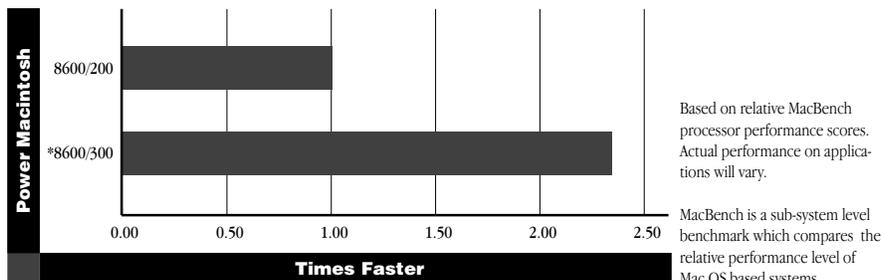
### Environmental requirements

- 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.

\*\*May differ based on configuration.

## Relative Performance vs. Prior Power Macintosh



\* Based on Apple internal testing using MacBench 4.0.

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

© 1997 Apple Computer, Inc. All rights reserved. Apple, the Apple logo, Apple SuperDrive, AppleTalk, GeoPort, LocalTalk, Mac, Macintosh, PlainTalk, Power Macintosh, ProDOS, and QuickTime are trademarks of Apple Computer, Inc., registered in the U.S.A. and other countries. Iomega and Zip are registered trademarks of the Iomega 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 directly between the vendors and the prospective users.

September 1997. Product specifications are subject to change without notice. Printed in the U.S.A.  
L02470B