



Power Macintosh 7500 Series

Features

High performance

- 100-MHz PowerPC 601 processor, user upgradable to 604 processor
- Built-in floating-point processor and 32K cache

Communications and multimedia

- 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
- 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

- 10Base-T and AAUI Ethernet connectors
- Open Transport networking software (TCP/IP and AppleTalk)
- Runs most 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'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

The Apple Power Macintosh 7500/100 computer is a professional computer with a new architecture that offers more flexible capabilities than previous models. If you need increased performance and expandability for your business, regardless of its size, the 7500/100 delivers—and preserves your investment into the future.

Built-in video input capability, high-resolution graphics (up to 1,280 by 1,024 pixels), and CD-quality stereo sound add vitality to everyday business projects and let you explore new computer-enabled applications. For example, the Power Macintosh 7500/100 optimizes the transfer of video data between a network and the computer's display monitor, making this an ideal system for video conferencing. Apple's own QuickTime Conferencing software is even included.

Power Macintosh 7500 systems include three Peripheral Component Interconnect (PCI) expansion slots. Because PCI is an industry standard, you can find inexpensive PCI cards for a variety of uses, including video-conferencing, connection to faster peripherals, and high-speed networking. Many PCI cards include the necessary software to work with Macintosh systems. PCI support allows you to standardize on

one type of card in your organization, saving you support time and dollars.

Connecting your computer to an Ethernet network is easier than ever with the Power Macintosh 7500, because it includes both AAUI and 10Base-T connectors.

With a PowerPC 601 RISC processor running at 100 megahertz that you can upgrade to an even more powerful 604 processor, the Power Macintosh 7500/100 gives you all the advantages of PowerPC technology now—with plenty of room to grow later.

Power Macintosh 7500 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 7500 to fit into almost any computing environment.

Whether you are selecting computers for a large corporation or a one-person home office, the Power Macintosh 7500/100 system's PowerPC performance and PCI expandability offer the versatility you need for professional



computing.

Power Macintosh 7500 Series

Technical Specifications

Ordering Information

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Power Macintosh 7500/100 configuration*

- Power Macintosh 7500/100 computer with 8/16MB of RAM, a built-in 1.4MB Apple SuperDrive floppy disk drive, an internal 500MB or 1GB hard disk drive, an internal quadruple-speed CD-ROM drive, and a PlainTalk microphone

Power Macintosh GeoPort Telecom Adapter 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.

Upgradable microprocessor

- PowerPC 601 microprocessor running at 100 MHz, upgradable to PowerPC 604 microprocessor
- Integrated floating-point unit and 32K cache
- High-speed system bus (up to 50 MHz)

Memory

- 8/16MB of RAM, expandable to 512MB via 8 DIMM sockets
- Optional 256K to 1MB level-2 cache
- 4MB of ROM

Disk drives

- Internal 500MB or 1GB 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 AppleCD 600i quadruple-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 (Note: These slots are not NuBus-compatible)
- 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
- S-video input connector
- Internal digital audio/video (DAV) connector for video compression/decompression cards

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 15 frames per second with NTSC
- Maximum capture size of 640 by 480 pixels with NTSC

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 and compliance

- Line voltage: 100 to 240 V AC, RMS single phase
- Frequency: 50 to 60 Hz, single phase
- Power: 150 W maximum, not including display
- Energy Star compliant

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: 6.15 in. (15.6 cm)
- Width: 14.37 in. (36.5 cm)
- Depth: 16.93 in. (43.0 cm)
- Weight: 22 lb. (9.97 kg)

Operating environment

- 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*