



# Macintosh Performa 5420/180

## Features

### Complete, ready-to-use system

- Computer, multiple-scan 15-inch color display (12.8-inch diagonal viewable image size), CD-ROM drive, floppy disk drive, hard disk, microphone, and stereo speakers integrated into one convenient and stylish package
- Apple TV/FM Radio System and video input
- Matching keyboard, mouse, and all necessary cables
- Apple System 7.5.3 software, including Apple Guide software for step-by-step help with basic system operation, QuickTime multimedia software, Macintosh PC Exchange software, and QuickDraw 3D
- Internal 28.8-Kbit/s modem for data, fax, voice, and digital answering machine
- Built-in 8x-speed, tray-loading CD-ROM drive
- Front-panel volume control and headphone/speaker jack
- CD-quality digital sound with SRS 3D surround sound

### Preinstalled software

- Apple System 7.5.3
- [list to be added when data sheet is localized]

### CD-ROM titles

[list to be added when data sheet is localized]

From its state-of-the-art RISC-based processor to its sleek graphite color, the Apple Macintosh Performa 5420/180 computer is like no other Macintosh you've ever seen. This sophisticated all-in-one system is ready to use right out of the box, with everything you need to inspire your creativity and increase your productivity.

The computer's 180-megahertz PowerPC 603e processor and 16 megabytes of RAM let you easily run an abundance of Macintosh applications—and there's plenty of room to store them on the 1.6-gigabyte internal hard drive. To get you started, there are more than a dozen learning, home, and entertainment programs, plus a collection of multimedia reference CDs.

The Performa 5420/180 includes multimedia features that are expensive add-ons with other computers, including a CD-ROM drive for multimedia applications and a 15-inch monitor (12.8-inch diagonal viewable image size) to display vibrant colors.

Using the built-in capabilities, you can watch television in a window, listen to FM radio, and view and record video from VCRs and video cameras. There's also a built-in microphone to directly record your own sounds. These multimedia features are made more lifelike through the built-in stereo speakers enhanced by SRS 3D surround sound and the Macintosh 16-bit stereo sound system.

To connect to the world of information services, including the Internet, the Performa 5420/180 features a built-in 28.8-kilobit-per-second modem. The modem also allows you to use your computer as a fax or answering machine.

If you need even more advanced capabilities in the future, expansion is easy through the industry-standard Peripheral Component Interconnect (PCI) slot and built-in SCSI support.

The Macintosh Performa 5420/180: Performance, convenience, and sophistication that will add elegance to your home or office.





# Macintosh Performa 5420/180

## Ordering Information

### Macintosh Performa 5420/180

Computer with built-in multiple-scan 15-inch display (12.8-inch diagonal viewable image size), 28.8-Kbit/s modem, 1.6GB hard disk, 8x-speed CD-ROM drive, floppy disk drive, Apple TV/FM Radio System, and video input. Mouse, keyboard, and cables also included.

Check with your Apple reseller for specific configuration information and ordering numbers.

### Optional Enhancements

#### High Performance Module (256K level 2 cache)

Order No. M4505LL/A

#### Apple Presentation System

Order No. M2895LL/A

#### Apple External Video Connector

Order No. M4099LL/D

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

## Technical Specifications

### Microprocessor

- PowerPC 603e processor running at 180 MHz
- 32K internal cache
- Integrated floating-point unit
- 64-bit memory bus
- Optional High Performance Module (256K level 2 cache)

### Memory

- Comes with 16MB of RAM (uses one DIMM socket)
- Can be expanded to 136MB using two 64MB DIMMs
- Uses 64-bit-wide, 168-pin, 70-nanosecond or faster, fast-paged-mode DIMMs (1K and 2K refresh rate)

### Disk drives

- Internal 1.6GB hard disk drive
- Internal Apple SuperDrive floppy disk drive
  - Uses high-density, 1.4MB floppy disks
  - Reads, writes, and formats Macintosh, Windows, MS-DOS, OS/2, and ProDOS disks
- Internal 8x-speed CD-ROM drive

### Display

#### Built-in display

- 15-in. RGB color display (12.8-in. diagonal viewable image size)
- 0.28-mm dot pitch
- Noninterlaced, flat, square cathode-ray tube (CRT)
- User-adjustable resolutions from 640 by 480 pixels to 1,024 by 768 pixels
- Resolution can be changed without restarting the computer
- Refresh rate up to 75 Hz
- Built-in base tilts from  $-5^{\circ}$  to  $+15^{\circ}$ , swivels a full  $360^{\circ}$
- Meets SWEDAC MPR2 international guidelines for magnetic-field emissions

#### Display support

- 16-bit color for display of up to 32,768 colors at 640- by 480-pixel or 800- by 600-pixel resolution
- 8-bit color for display of 256 colors at 832- by 624-pixel or 1,024- by 768-pixel resolution
- 1MB video frame buffer (independent of system RAM)

#### Built-in modem

- 28.8-Kbit/s, V.34, data/fax/voice modem
- Works with supplied software to provide answering machine capability
- Built-in error correction and compression (MNP4, V.42, MNP5, V.42bis)

### Sound

- Stereo 16-bit sound
- Built-in stereo speakers
- Built-in microphone
- Sound-output port
- Sound-input port
- Front headphone jack and volume control
- Apple sound enhancements, including SRS 3D surround sound

### Expansion interfaces

- PCI expansion slot for industry-standard 6.88-in., 15-watt expansion cards
- Apple Desktop Bus port for mouse, keyboard, and other devices (multiple devices can be connected to each other from one port)
- RS-232/RS-422 serial port for an AppleTalk network connection, other networking connections, communications equipment (including GeoPort-compatible devices), or a printer
- SCSI interface port for as many as six external SCSI devices, such as disk drives and/or CD-ROM drives
- Optional video-out port for connection to an external monitor for video mirroring (also supports connection to an NTSC or PAL video-out interface box, such as the Apple Presentation System)
- Communications slot (used by the built-in 28.8-Kbit/s data/fax/voice modem)
- Video slot (used by the Apple Video System to connect a VCR, video camera, or other video equipment; supports both composite and S-video input)
- TV tuner slot (used by the Apple TV/FM Radio System)

### Electrical requirements

- Line voltage: 110 to 240 V AC, RMS, single phase, nominal
- Frequency: 50 to 60 Hz
- Power: 220 W maximum (continuous)
- Includes low-power sleep mode
- U.S. EPA Energy Star compliant

### Size and weight

- Height: 17.5 in. (44.5 cm)
- Width: 15.1 in. (38.3 cm)
- Depth: 16 in. (40.6 cm)
- Weight: 47 lb. (21 kg)

### Operating environment

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

### Disability access

- CloseView software magnifies screen image up to 16 times
- Easy Access software permits combination keys to be pressed sequentially and enables cursor control from the numeric keypad instead of the mouse
- "Visual beep" replaces audible system alerts

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