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Macintosh Performa 6300CD: Specifications (12/95)

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TOPIC -----

This article provides technical specifications for the Macintosh Performa 6300CD.

DISCUSSION -----

Hardware

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Microprocessor

- PowerPC 603e processor running at 100 MHz
- Integrated floating-point unit
- 40 MHz, 64-bit bus
- 256K Level 2 cache
- 32K internal cache

Memory

- Comes with 16MB of RAM (uses one SIMM socket)
- Can be expandable to 64MB of RAM using two 32MB SIMMs
- Uses 72-pin, noncomposite, 80-nanosecond or faster DRAM SIMMs

Storage

- Internal 1.2GB 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, quadruple-speed AppleCD 600i CD-ROM drive

Monitor (Apple Multiple Scan 15 Display)

- 15-inch diagonal RGB color display (13.3-inch diagonal viewable image size)
- Up to 832- by 624-pixel resolution at a scan frequency of 75 Hz
- 0.28-mm dot pitch

- Meets the strictest international magnetic-field emissions requirements (SWEDAC MPR2)

Display Support

- Apple displays up to 15 inches through a 1MB DRAM video buffer (independent of system RAM)
- Wide range of VGA and SVGA displays from other vendors

Colors and Resolutions

Begin_Table

Resolution	Max. Bit Depth	Max. Number of Colors
640 x 480	16	32,768
800 x 600	8	256
832 x 624	8	256

End_Table

Interfaces

- Apple Desktop Bus port for mouse, keyboard, and other devices
- Monitor port (also supports connection to an NTSC or PAL video-out interface box, such as the Apple Presentation System)
- Serial port (RS-232/RS-422) for an AppleTalk network connection, other networking or communications equipment, or a printer
- SCSI interface port for connecting as many as five external SCSI devices, such as disk drives or CD-ROM drives
- LC processor-direct expansion slot
 - Compatible with most Macintosh Performa 400 and 500 series; Performa 630; Macintosh Quadra 605; and Macintosh LC II, LC III, LC 475, LC 550, LC 575, and LC 630 processor-direct cards
 - Can be used for an Apple MPEG Media System card or other specialized card
- Communications slot for a 28.8-kbps fax/data/voice modem (used by Global Village modem)
- Video slot for optional Apple Video System (NTSC, PAL, and SECAM video input)
- Dedicated connector and infrared remote receiver for optional internal Apple TV/Video System (provides TV tuner and video input)

Sound

- Stereo 16-bit sound
- Built-in speaker
- Sound-output port
- Sound-input port (can be used to connect the Apple PlainTalk microphone included with the computer)
- Front headphone jack and volume control

Communications

- Global Village 28.8-kbps fax/data/voice/modem
- Built-in error correction and compression (MNP4, V.42, MNP5, V.42bis)
- Megaphone software lets users turn their Macintosh Performa 6300CD into a speakerphone and digital answering Machine; included fax software allows users to send and receive fax communications

Keyboard

- Provides adjustable keyboard slope
- Includes function keys, numeric keypad, cursor arrow keys, and special screen-editing keys

Mouse

- Round shape fits contour of the palm of the hand
- Large button allows easy clicking and dragging

Electrical Requirements

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Main Unit

- Line voltage: 110 to 240 V AC, RMS, single phase, nominal
- Frequency: 50 to 60 Hz
- Power: 55 W maximum

Monitor

- Line voltage: 90-132, 198-260 V
- Frequency: 47-63 Hz
- Power: 90 W maximum

Size and Weight

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Main Unit

- Height: 4.3 in. (10.95 cm)
- Width: 12.6 in. (32.0 cm)
- Depth: 16.5 in. (41.9 cm)
- Weight: 19 lb. (8.6 kg)

Monitor

- Height: 16.7 in. (42.4 cm)
- Width: 15.9 in. (40.5 cm)
- Depth: 17.8 in. (45.2 cm)
- Weight: 31.0 lb. (14 kg)

Operating Environment

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Main Unit

- 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)

Monitor

- Operating temperature: 10 to 40 degrees C (50 to 104 degrees F)
- Storage temperature: 0 to 60 degrees C (32 to 140 degrees F)
- Relative humidity: 20% to 95%
- Maximum altitude: 10,000 ft. (3000 m)

Bundled Software

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System Software

- Mac OS 7.5.1 software, including Apple Guide software for step-by-step help with basic system operation, QuickTime multimedia software, and Macintosh PC Exchange software

Disability Access

- CloseView software magnifies image up to 16 times
- Easy Access software for sequential combination keys, and cursor control from the numeric keypad
- "Visual beep" replaces audible system alerts

Pre-installed software

- eWorld
- eWorld Tour
- At Ease
- ClarisWorks
- The American Heritage Dictionary
- ClickArt Performa Collection
- Espresso
- Lode Runner
- MacGallery Clip Art Treasure Pak
- MacLinkPlus/Easy Open Translators
- Mangia (special Performa edition)
- Power Pete
- Quicken
- Virex
- WealthBuilder
- The Writing Center

- Megaphone
- Megaphone Tour
- Adobe Acrobat
- Global Fax
- Global Fax Tour

CD-ROM titles

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- 1995 Grolier Multimedia Encyclopedia
 - TIME Almanac Reference Edition
 - 3D Atlas
 - The Family Doctor
 - Smithsonian's America
 - My First, Incredible, Amazing Dictionary
 - Sesame Street Numbers
 - Making Music by Voyager
 - Club KidSoft CD

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