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Macintosh Performa 6290CD: Specifications (4/97)

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Revised:        5/1/97
Security:       Everyone


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TOPIC ------------------------------------------------------------

This article provides technical specifications for the Macintosh Performa
6290CD.

Note: The Macintosh Performa 6290CD is similar to the Macintosh Performa 6300CD,
but it differs in both the memory configuration and the software bundle.


DISCUSSION -------------------------------------------------------

Hardware
========

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


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

Modem

- Global Village 28.8 kbps fax modem
- Built-in error correction and compression (MNP4, V.42, MNP5, V.42bis)

Monitor (Apple Multiple Scan 14 Display)

- Comes standard with an Apple 14-inch RGB color display (12.4-inch diagonal
  viewable image size)
- 0.28-mm dot pitch
- Non-Interlaced
- Tilt-and-swivel base
- Shadow mask picture tube
- Multiple Scan
- Stereo speakers
- Meets the strictest international magnetic-field emissions requirements
  (SWEDAC MPR II)

Display Support

- Apple displays up to 15 inches through a 1 MB 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
=======================

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

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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
=====================

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
===============

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
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Pre-installed software

• Acrobat Reader
• The American Heritage Dictionary
• At Ease
• ClarisWorks
• ClickArt Performa Collection
• Connectix Desktop Utilities
• Eric's Solitaire Sample
• Expresso
• Global Fax
• Global Fax Tour
• Lode Runner
• MacGallery Clip Art Treasure Pak
• MacLinkPlus/Easy Open Translators
• Megaphone
• Megaphone Tour
• Quicken
• WealthBuilder
• The Writing Center
• Zoop

CD-ROM titles

• Grolier Multimedia Encyclopedia
• TIME Almanac Reference Edition
• 3D Atlas
• The Family Doctor
• Smithsonian's America
• Jump Start 1st Grade
• Making Music by Voyager
• My First Incredible, Amazing Dictionary

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