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Macintosh Performa 631CD: Technical Specifications (11/95)

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Security:       Everyone


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

This article gives the technical specifications for the Macintosh Performa 631CD
computer.


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

Microprocessor
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• 66/33-MHz Motorola 68LC040 with 32-bit data bus
  (66-MHz processor/33-MHz data bus)


Memory
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• 8 MB RAM, expandable to 52 MB
• RAM expansion via two 72-pin SIMM sockets
(one double-sided SIMM can take up to 32 MB; one single-sided SIMM can take up
to 16 MB)


Disk Drives
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• One built-in Apple SuperDrive 1.4MB floppy disk drive
• One internal 500 MB IDE type hard disk
• AppleCD 300i Plus CD-ROM player


Video Display
-------------
• Comes with Apple Performa Plus Display: 14-inch RGB Color Monitor color
  display, 640-pixel by 480-pixel resolution, 0.28-mm dot pitch, noninterlaced
• Supports Apple displays of up to 15 inches
• Works with a wide range of third-party VGA and SVGA displays
• 1MB DRAM display support, independent from system DRAM
• Standard 16-bit color for display of up to 32,768 colors on monitors of
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up to 14 inches and on 15-inch monitors at 640- by 480-pixel resolution
- Standard 8-bit color for display of 256 colors on 15-inch monitors at 800-pixel by 600-pixel resolution

Modem

- Comes with TelePort/Gold II for Performa from Global Village Communications: 14,400-bps send and receive fax and 14,400-bps send and receive data.

Interfaces

- One Apple Desktop Bus (ADB) port supports a keyboard, mouse, and other devices
- Two (RS-232/RS-422) serial ports
- SCSI interface port for connecting up to five external peripheral devices
- Internal expansion slot compatible with most Macintosh Performa 400 and 500 series, Macintosh Quadra 605, Macintosh LC II, LC III, LC 475, LC 520, and LC 575 processor-direct cards
- Communications slot for future addition of either Ethernet card or 14.4-baud fax/modem card
- Video slot for NTSC, PAL, and SECAM video-input card
- Dedicated connector for internal TV tuner
- One standard monitor port also supports connection to external video-out (NTSC or PAL) drop box

Audio capabilities

- 8-bit on-board Stereo sound output and mono sound in
- Stereo 16-bit CD playback
- One sound-in port
- Front and rear headphone jacks

Networking

- Built-in AppleTalk port

Keyboard and Mouse

- AppleDesign Keyboard
- Apple Desktop Bus Mouse II

Clock/Calendar

- Custom integrated circuit with long-life lithium battery

Disability Access

- CloseView, Easy Access, and the ability to substitute visual cue for beep included with system software. These built-in solutions and third-party options provide alternative input and output devices for people with disabilities.

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Electrical Requirements
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• 100-240 volts AC, 50-60 Hz
• Power: 45 W maximum, not including monitor

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ADB Power Requirements
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• 500ma maximum draw

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Size and Weight
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• Height: 4.3 in. (10.95 cm)
• Width: 12.6 in. (32 cm)
• Depth: 16.5 in. (41.95 cm)
• Weight: 19 lb. (8.6 kg) with CD-ROM player
  (varies based on internal devices installed)

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Operating Environment
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• Operating temperature 50° F to 104° F (10° C to 40° C)
• Storage temperature -40° F to 116.6° F (-40° C to 47° C)
• Relative Humidity 5% to 95% noncondensing
• Altitude Works below 10,000 feet (3048 m)

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Software
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System software
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```
• Mac OS System 7.5.1 with Apple Guide, AppleScript and PC Exchange included

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Third-party software bundle
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• At Ease
• ClarisWorks
• Click Art Performa Collection
• Crossword Wizard
• MacGallery Clip Art Treasure Pak
• MacLink Plus Easy Open T ranslators
• Quicken
• Spectre Challenger
• Spin Doctor Challenge
• The American Heritage
• The Writing Center
• Thinkin Things

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CD bundle
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• Grolier's Multimedia Encyclopedia
• TIME Almanac Reference Edition
• Electronic Arts 3D Atlas
• The Family Doctor

- Wacky Jack's CD Game Show
- Dole Five-a-Day Adventure
- Club KidSoft CD

Article Change History:
28 Apr 1997 - Removed out dated on line references.
29 Nov 1995 - Corrected minor typo.

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