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

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TOPIC -----

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

DISCUSSION -----

Microprocessor

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

Memory

- 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

- 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 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.

Electrical Requirements

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

ADB Power Requirements

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- 500ma maximum draw

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)

Operating Environment

-
- 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)

Software

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System software

-
- Mac OS System 7.5.1 with Apple Guide, AppleScript and PC Exchange included

Third-party software bundle

-
- At Ease
 - ClarisWorks
 - Click Art Performa Collection
 - Crossword Wizard
 - eWorld
 - MacGallery Clip Art Treasure Pak
 - MacLink Plus Easy Open Translators
 - Quicken
 - Spectre Challenger
 - Spin Doctor Challenge
 - The American Heritage
 - The Writing Center
 - Thinkin Things

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

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29 Nov 1995 - Corrected minor typo.

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