



Tech Info Library

Macintosh Performa 5300CD: Specifications (4/97)

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Security: Everyone

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TOPIC -----

This article gives the technical specifications for the Macintosh Performa 5300CD computer.

DISCUSSION -----

Processor

- PowerPC 603e processor running at 100 MHz

Memory

- 16 MB of RAM minimum, installed in one of the SIMM sockets
- Two 72-pin SIMM sockets; RAM can be expanded to 64 MB (80 nanoseconds)
- 4 MB read-only memory (ROM)
- 256K Level 2 cache
- 1 MB DRAM frame buffer on board (for video support)

Storage

- Apple SuperDrive 1.4 MB high-density floppy disk drive
- Internal 1.2 GB IDE hard disk drive (1/3-height)
- Internal SCSI 4x CD-ROM player

Video

- 15" flat square shadow mask CRT
- 0.28 mm dot pitch

- Resolutions:

Begin_Table

Resolution	Max. Bit Depth	Max. Number of Colors	Frequency (Hz)
640 x 480	16	32,768	67 (60 VGA)
800 x 600	8	256	60, 72
832 x 624*	8	256	75

*Does not support video input

End_Table

- Using the optional external video connector kit, video mirroring is supported on the following external displays:

Begin_Table

External Monitor	Supported resolutions		
	640 x 480	800 x 600	832 x 624
Macintosh 13" Color Display	X		
Apple Color Plus 14" Display	X		
Macintosh Color Display	X		
Apple Performa Plus Display	X		
Apple Multiple Scan 14 Display	X	X	
Apple Multiple Scan 15 Display	X	X	X
Apple Multiple Scan 17 Display	X	X	X
Apple Multiple Scan 20 Display	X	X	X
SVGA monitors (may need adapter)	X	X	

End_Table

Sound

- 16-bit monophonic sound input
- 16-bit stereophonic sound output
- Integrated microphone for monaural sound input
- Sound input port for microphone or line input (port accepts stereophonic input, but sound is combined into monophonic sound for play-through or recording)
- Two stereophonic sound output ports, level nominally 0.5 volts RMS into 39 ohms
- Internal stereo speakers, muted whenever a plug is inserted into either sound output port

Clock/calendar

- CMOS custom chip with battery

Keyboard

- Includes AppleDesign keyboard
- Supports all Apple Desktop Bus (ADB) keyboards

Expansion & Ports

- ADB port for keyboard, mouse, and other input devices using a low-speed, synchronous serial bus
- Two serial port for printers and other serial devices*
- SCSI port for a chain of up to seven SCSI devices
- LC-compatible 68030 processor-direct slot (96/114-pin)
- Communication slot with included internal Global Village 14.4 modem.
- Built-in video capture card providing real-time video display, video capture, and overlay (60-pin)
- Built-in internal TV tuner card
- Optional monitor-out port for video mirroring (using external video connector kit, purchased separately)

*Note: The Macintosh Performa 5300CD includes an internal Global Village 14.4 modem which disables one of the external serial ports. In order to use both serial ports, the internal modem must be removed.

Additional features

- All-in-one enclosure
- Tilt from -5 degrees to +15 degrees, swivel 360 degrees
- Support for optional infrared remote control
- Front panel push-button controls for volume
- Front panel stereo headphone jack
- Power on and off from keyboard and optional remote control

Environment

- Operating temperature: 10° C to 40° C (50° F to 104° F)
- Storage : -40° C to 47° C (-40° F to 116.6° F)
- Relative humidity: 5% to 95% noncondensing
- Altitude: Works below 3048 m (10,000 ft.)

Weight

- 21.15 kg (47 lbs)

Height and Weight

- Height: 17.5" (44.5 cm)
- Width: 15.1" (38.3 cm)
- Depth: 16.0" (40.6 cm)

Apple Desktop Bus power requirements

- Maximum current draw for all ADB devices is 500 milliamperes (mA)
- Mouse draws up to 10 mA
- Keyboard draws 25-80 mA (varies with model)

Note: The maximum number of ADB devices recommended in a daisy chain connected to the ADB port is three.

AC line input

- Line voltage: 100-240 volts AC, RMS, single phase, nominal
- Frequency: 50-60 hertz (Hz)
- Power consumption: 125 watts

System Software

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

Software bundle

Begin_Table

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|-----------------------|-------------------------------------|
| • At Ease | • MacLinkPlus/Easy Open Translators |
| • ClarisWorks | • American Heritage Dictionary |
| • Quicken | • ClickArt Performa Collection |
| • Apple Video Player | • Megaphone for Performa |
| • MacGallery Clip Art | • Apple Remote Access |
| • Global Fax software | • HyperCard Player |
| • Adobe Acrobat | |

End_Table

CD bundle

- 1995 Grolier's Multimedia Encyclopedia
- Club KidSoft
- VideoShop
- 1995 TIME Almanac
- 3D Atlas
- Family Doctor

Configurations and Ordering Information

Macintosh Performa 5300 computer with 16 MB of RAM, 1 MB of video memory, built-in AppleCD 600i internal quadruple speed CD-ROM player, 1.4 MB Apple SuperDrive floppy disk drive, 1.2 GB IDE internal hard disk drive

- Video capture card
- TV tuner
- Built-in 15 inch display
- Global Village internal 14.4 Kbps fax/send modem
- Bundled third-party software and CDs
- AppleDesign Keyboard
- Order No. M4498LL/A

Article Change History:

- 28 Apr 1997 - Removed out dated on line references.
- 04 Dec 1995 - Added bundled software information.

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