



# Tech Info Library

## Macintosh Performa 640 DOS Compatible: Specifications (7/95)

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TOPIC -----

This article provides the specifications of the Macintosh Performa 640CD DOS Compatible computer.

DISCUSSION -----

### Common Features

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#### Integration

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- Run Mac OS and DOS or Windows software simultaneously
  - applications, games and CD-ROM titles
- Toggle between operating systems with a keystroke
  - single monitor supports both
- Copy & paste between OS environments
- Easily share files and folders
- Use Mac compatible printer and peripherals with both operating systems
- Supports Apple monitors (High Resolution RGB up to Multiple Scan 15) or VGA and SVGA monitors

### Storage

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- 1.4 MB Apple SuperDrive floppy
  - Read and write Mac OS, MS-DOS, OS/2 and ProDOS disks
- 500 MB IDE hard drive, 1/3 height
  - PC files reside in virtual drive container
- Double-speed CD-ROM drive

### Options

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- CommSlot Ethernet card
  - 10 BASE-T, thin, thick, AAUI
- Apple Presentation System

### Bundled Hardware

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- Apple Multiple Scan 15 Display
- AppleDesign Keyboard

- Global Village TelePort Gold 14.4Kps Fax Modem

#### 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
  - Operating: 10% RH to 90% noncondensing
  - Non-operating: 5% RH to 95% noncondensing
- Altitude
  - Operating: -1,000 to 10,000 feet
  - Non-operating: -1,000 to 40,000 feet

#### Weight

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- 19 Pounds (8.6 Kg)

#### Dimensions

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- 12.6" X 16.5" X 4.3" (320 mm X 419 mm X 109 mm)

#### Electrical Requirements

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- Line voltage: 100-240 volts AC, RMS, single-phase, nominal
- Frequency: 50-60 hertz (Hz)
- Power consumption: 45 watts maximum, not including monitor

#### ADB Power Requirements

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- Maximum current draw for all ADB devices is 500 milliamperes (mA) (a maximum of three Apple Desktop Bus devices is recommended)
- Mouse draws up to 10 mA
- Keyboard draws 25-80 mA (varies with model).

#### Other

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- Front headphone jack
- Front controls for volume
- Infrared remote control
- Power on/off from keyboard

#### Macintosh Features

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##### Processor & RAM

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- 68LC040 running at 66/33 MHz
- 8 MB RAM standard
  - 4 MB on logic board, 4 MB in SIMM
  - Expandable up to 52 MB (32 MB in one SIMM, 16 MB in other)
  - Two 72-pin SIMM sockets
  - Expand single SIMM at a time

- 80 ns or faster
- 1 MB ROM

#### Expansion & Ports

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- Video-in slot (Optional)
- TV tuner slot (Optional)
- Communications slot
- SCSI, two serial, ADB, sound-in, sound-out
- Internal LC-Compatible 68030 processor-direct slot (PDS) with installed DOS-Compatibility Card\*

#### Video

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- 1 MB DRAM video frame buffer
- 16-bit color at 640x480, 8-bit color at 800x600, 832x624
- Supports video in a window with optional card

#### Sound

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- 8-bit monophonic sound input
- 8-bit stereophonic sound output (16-bit CD stereophonic playback)
- Sound input port for optional microphone or line input
- Two sound output ports, level nominally 0.5 volts RMS into 39 ohms
- Internal speaker, muted whenever a plug is inserted into either sound output port

#### Software

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##### System software

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- Mac OS System 7.5.1 with Apple Guide, AppleScript, PC Exchange
- At Ease

##### Third-party software bundles

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- |                                 |                                      |
|---------------------------------|--------------------------------------|
| • American Heritage Dictionary  | • ClarisWorks                        |
| • Quicken                       | • MacLink Plus/Easy Open Translators |
| • Click Art Performa Collection | • MacGallery Clip Art Treasure Pak   |
| • Espresso                      | • Zip Zap                            |
| • TelePort Gold II for Performa | • TelePort Modem Legend Tour         |
| • eWorld                        | • eWorld Tour                        |

##### CD bundles

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- |                                  |                                  |
|----------------------------------|----------------------------------|
| • TIME Almanac Reference Edition | • CardShop/StickerShop Plus      |
| • 3D Atlas                       | • 1995 Groiler's MM Encyclopedia |
| • Club KidSoft                   |                                  |

#### DOS/Windows Features

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##### Processor & RAM

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- 486 DX/2 running at 66 MHz
- 4 MB RAM standard on SIMM
  - Expand up to 32 MB
  - One 72-pin SIMM socket
  - 80 ns or faster
- DMA for shared-memory support provided through Mac OS system software

#### Networking

- Included ODI driver supports Novell NetWare IPX and TCP/IP protocols

#### Sound

- SoundBlaster 16 compatible audio out

#### Ports

- Joystick (DB-15)
- Serial ports emulate PC serial interface (COM1, COM2)
- Printer port emulates parallel port (LPT1) supporting PostScript, Epson and HP PCL-style printer drivers

#### Video

- 512K DRAM video frame buffer
- 8-bit color at 640x480
  - 4-bit color at 800x600
- Supports VGA, SVGA, EGA, CGA standards

#### Software

- DOS 6.22 and Windows 3.1 included
- SoundBlaster

\*Note: The Macintosh Performa 640CD DOS Compatible computer is not upgradeable to a PowerPC processor. The DOS Compatibility Card is installed in the single PDS slot.

#### Article Change History:

14 Jul 1995 - Changed access  
 13 Jul 1995 - Clarified bundle information  
 06 Jul 1995 - Added specsht keyword.

#### Support Information Services

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