



# Tech Info Library

## Macintosh Performa 630: Specifications (11/95)

Revised: 11/29/95  
Security: Everyone

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Article Created: 15 July 1994  
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TOPIC -----

This article gives the technical specifications for the Macintosh Performa 630 computer.

DISCUSSION -----

### Microprocessor

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

### Memory

- 4MB RAM soldered to logic board, one SIMM socket for expansion up to 36MB of memory. Utilizes 72 pin, 80ns memory.

### Disk Drives

- One built-in Apple SuperDrive 1.4MB floppy disk drive
- One internal 250MB IDE type hard disk
- Optional internal CD-ROM drive

### 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

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- Comes with TelePort/Bronze for Macintosh Performa from Global Village Communications: 9,600-bps send-only fax and 2,400-bps send and receive data

## Interfaces

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- 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 six external peripheral devices (five in configurations with internal CD-ROM player)
- 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

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- 8-bit on-board Stereo sound output and mono sound in

## Networking

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- Built-in AppleTalk port

## Keyboard and Mouse

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- AppleDesign Keyboard
- Apple Desktop Bus Mouse II

## Clock/Calendar

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- Custom integrated circuit with long-life lithium battery

## Disability Access

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- 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

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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

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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)

#### System Software Requirements

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- System software version 7.1 with multitasking, file sharing, QuickTime, Balloon Help, TrueType fonts, and more

#### Article Change History:

29 Nov 1995 - Corrected minor typo.  
04 Jan 1995 - Added audio capabilities.  
20 Jul 1994 - Corrected processor specifications.

#### Support Information Services

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