

Macintosh Quadra 900



Maximum power . . . expansion . . . flexibility—the Apple Macintosh Quadra 900 personal computer delivers all three in the most powerful Macintosh ever.

With its ultrafast Motorola 68040 microprocessor, faster graphics architecture, and improved SCSI and NuBus capabilities, the Quadra 900 runs applications up to twice as fast as the Macintosh IIx. You will appreciate its speed every time you scroll, search, and sort—and even more when the computer redraws complex graphics, recalculates intricate spreadsheets, or reformats large documents.

Unlike other personal computers, the Quadra 900 also comes with many built-in capabilities that give you fast, direct access to the resources you need. With built-in networking, for instance, you can plug your system directly to high-speed Ethernet and

LocalTalk networks without having to buy additional cards. Built-in support for all Apple displays makes it easy to connect your display without adding video cards. And thanks to built-in support for up to 24 bits of color, you can work with photographic-quality images. Ten built-in ports give you instant access to printers, scanners, high-capacity disk drives, and more.

In the Quadra 900, you'll also find the ultimate in flexibility. The Quadra 900 supports up to 64 megabytes of RAM, so you can work with larger files and many open applications. Five expansion slots let you customize your system with specialized NuBus cards. And the Quadra 900 also supports up to four storage devices. There's another plus: The Quadra 900 is the first Macintosh personal computer to provide a physical key lock for added security.

Macintosh Quadra 900 Features

Power and speed

- > 25 MHz 68040 microprocessor runs applications up to twice as fast as the Macintosh IIx.

Memory

- > 4 megabytes RAM, expandable to 64

Expansion

- > Ten built-in ports for peripherals
- > Up to four storage devices
- > Five NuBus expansion slots

Display

- > Built-in support for all Apple monitors
- > Up to 32 bits per pixel for true color

Features Built Into Every Macintosh

Usability

- > Runs thousands of Macintosh applications
- > Easy to set up, learn, and use

System software

- > System 7, with multitasking, file sharing, Balloon Help, and TrueType fonts

Networking

- > Built-in LocalTalk
- > File sharing without a dedicated server

Compatibility

- > Macintosh, MS-DOS, OS/2, and ProDOS floppy disk formats

Macintosh Quadra 900

Technical Specifications

Microprocessor

- > MC68040, 32-bit architecture, 25-megahertz clock speed
- > Integral Paged Memory Management Unit (PMMU), Floating Point Unit (FPU), and 8-kilobyte cache architecture

Memory

- > Comes with 4 megabytes of RAM standard and 12 memory expansion slots for SIMMs (Single In-line Memory Modules).
- > Expands to up to 64 megabytes of RAM by installing 4-megabyte SIMMs in the empty slots and replacing existing 1-megabyte RAM SIMMs with 4-megabyte RAM chips.

Disk drives

- > Built-in Apple SuperDrive 1.4-megabyte floppy disk drive
- > Support for up to three additional devices, such as a CD-ROM drive or Apple SCSI hard disk drive (several capacities available)

Video display

- > Supports all Apple monochrome and color monitors, including:
 - Macintosh 12" RGB Display
 - Macintosh 12" Monochrome Display
 - AppleColor High-Resolution RGB Monitor
 - Macintosh Portrait Display
 - Macintosh Two-Page Monochrome Monitor
 - Macintosh 21" Color Display
- > Supports some other non-Apple monitors, including VGA, NTSC, and PAL

Video RAM

- > 1 megabyte, upgradable to 2 megabytes for display of more colors or shades of gray on a monitor

Interfaces

- > One Apple Desktop Bus (ADB) port, supporting a keyboard, mouse, and other devices daisy-chained through a synchronous serial bus
- > Two serial (RS-232/RS-422) ports, 230.4 kilobits per second maximum (up to 0.920 megabits per second if clocked externally)
- > SCSI bus interface
- > Video port to support RGB and monochrome monitors of various sizes and resolutions
- > Five internal NuBus expansion slots
- > One processor-direct slot provides access to the CPU for highest-possible performance.
- > Stereo sound output port capable of delivering sound to both channels of a stereo device
- > Sound input port for monaural sound input
- > One stereo line input port
- > AUI-15 Ethernet connector

Keyboard

- > Supports all Apple Desktop Bus keyboards.

Mouse

- > Apple Desktop Bus Mouse

Sound generator

- > Custom Sound Chip drives stereo miniature phone jack headphones or stereo equipment.

Clock/calendar

- > Custom chip with long-life lithium battery

Microphone

- > Electret, omnidirectional; output voltage is 4 millivolts, peak to peak, at normal volume.

Disability access

- > CloseView, Easy Access, and visible beep included with system software. These built-in features and third-party options provide alternative input and output tools for people with disabilities.

Electrical requirements

- > Line voltage: 100 to 240 volts AC, RMS automatically configured
- > Frequency: 50 to 60 hertz, single phase
- > Power: 303 watts maximum, not including monitor power

ADB power requirements

- > Maximum current draw for all ADB devices: 500 milliamps (a maximum of three ADB devices is recommended)
- > Mouse draws 80 milliamps.
- > Keyboard draws 25 to 80 milliamps, depending on the keyboard model used.

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: 20% to 80% noncondensing
- > Maximum altitude: 10,000 ft. (3,048 m)

Size and weight

Main unit:

- > Height: 18.6 in. (47.3 cm)
- > Width: 8.9 in. (22.4 cm)
- > Depth: 20.6 in. (52.3 cm)
- > Weight: 36 lb. 12 oz. (16.7 kg)*

Mouse:

- > Height: 1.1 in. (2.8 cm)
- > Width: 2.1 in. (5.3 cm)
- > Depth: 3.8 in. (9.7 cm)
- > Weight: 6 oz. (.17 kg)

*Weight will be greater with an internal hard disk.

Ordering Information

Macintosh Quadra 900 4/Apple SuperDrive
Order No. M4210LL/A

- > Macintosh Quadra 900 personal computer with 4 megabytes of RAM and built-in 1.4-megabyte Apple SuperDrive

- > Mouse
- > Microphone
- > System software and HyperCard software
- > Complete documentation
- > Limited warranty statement

Macintosh Quadra 900 4/160
Order No. M4230LL/A

- > Macintosh Quadra 900 personal computer with 4 megabytes of RAM and built-in 160-megabyte internal hard disk, 1.4-megabyte Apple SuperDrive
- > All other features included with the Quadra 900 above.

Apple Computer, Inc.

20525 Mariani Avenue
Cupertino, CA 95014
(408) 996-1010
TLX 171-576

© 1991 Apple Computer, Inc. Apple, the Apple logo, HyperCard, LocalTalk, Macintosh, and ProDOS are registered trademarks of Apple Computer, Inc. AppleColor, Apple Desktop Bus, Balloon Help, Quadra, SuperDrive, and TrueType are trademarks of Apple Computer, Inc. Motorola is a registered trademark of Motorola Corporation. MS-DOS is a registered trademark of Microsoft Corporation. NuBus is a trademark of Texas Instruments. OS/2 is a trademark of International Business Machines Corporation. Mention of non-Apple products is for informational purposes, and constitutes neither an endorsement nor a recommendation. Apple assumes no responsibility with regard to the selection, performance, or use of these products.

August 1991. Product specifications are subject to change without notice. Printed in U.S.A.
L0091LL/A