Macintosh Quadra 700

Our highest-performance desktop system, the Apple Macintosh Quadra 700 personal computer, offers a level of power that you won't find in most other systems.

To provide the ultimate in Macintosh responsiveness, the Quadra 700 is designed with a powerful Motorola 68040 microprocessor, faster graphics architecture, and enhanced NuBus and SCSI subsystems—which make it possible for the computer to run applications up to twice as fast as the Macintosh IIfx. You'll appreciate the speed of the Quadra 700 whenever you open a window, search, and sort—and even more when the computer redraws complex graphics, recalculates intricate spreadsheets, or reformats large documents.

Many built-in features also give you fast, direct access to networks and

peripheral equipment. For example, you can connect the Quadra 700 directly to high-speed Ethernet and LocalTalk networks without having to buy extra cards. Plug any Apple monochrome or color monitor to your system; the Quadra 700 works with all Apple displays. It also supports up to 24 bits of color, offering you photographic-quality images to work with. And you can use the nine built-in ports for instant access to printers, scanners, high-capacity disk drives, and other peripheral equipment.

For additional flexibility, the Quadra 700 supports up to 20 megabytes of RAM, so you can work with larger files and many open applications. And two NuBus expansion slots make it easy to add specialized coprocessor, media integration, and data acquisition cards.

Macintosh Quadra 700 Features

Power and speed
> 25 MHz 68040 microprocessor runs applications up to twice as fast as the Macintosh IIfx.

Memory
> 4 megabytes RAM, expandable to 20

Expansion
> Nine built-in ports for peripherals
> Two expansion slots

Display
> Built-in support for all Apple monitors
> 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 and Ethernet
> File sharing without a dedicated server

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

Macintosh Quadra 700

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 on the logic board and 4 memory expansion slots.
> Expands to up to 20 megabytes of RAM by installing 4-megabyte SIMMs in the empty slots and replacing existing 1-megabyte with 4-megabyte RAM chips.

Disk drives
> Built-in Apple SuperDrive 1.4-megabyte floppy disk drive
> 80- or 160-megabyte internal Apple SCSI hard disk drive

Video display
> Supports all Apple 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
> 512K, upgradable to 2 megabytes for display of more colors or shades of gray on a monitor

Interfaces
> Two Apple Desktop Bus (ADB) ports, 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
> Two internal NuBus expansion slots
> One processor-direct slot provides access to the CPU bus 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
> AUI-15 Ethernet connector

Keyboard
> Supports all Apple Desktop Bus keyboards.

Mouse
> Apple Desktop Bus Mouse; mechanical tracking, optical shaft, or contact encoding

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: 50 watts maximum, not including monitor power

ADB power requirements
> Maximum current draw for all ADB devices: 200 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:
> Width: 11.9 in. (30.2 cm)
> Height: 5.5 in. (14.0 cm)
> Depth: 14.4 in. (36.5 cm)
> Weight: 13 lb. 10 oz. (6.2 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.

Macintosh Quadra 700 4/Apple SuperDrive
Order No. M5921LL/A
> Macintosh Quadra 700 personal computer with 4 megabytes of RAM and built-in 1.4-megabyte Apple Super Drive
> All other features included with the Quadra 700 below

Macintosh Quadra 700 4/80
Order No. M5922LL/A
> Macintosh Quadra 700 personal computer with 4 megabytes of RAM, one 80-megabyte internal hard disk, and built-in 1.4-megabyte Apple SuperDrive
> Mouse
> Microphone
> System software and HyperCard software
> Complete documentation
> Limited warranty statement

Macintosh Quadra 700 4/160
Order No. M5923LL/A
> Macintosh Quadra 700 personal computer with 4 megabytes of RAM, one 160-megabyte internal hard disk, and built-in 1.4-megabyte Apple SuperDrive
> All other features included with the Quadra 700 above