



Macintosh Quadra 610

Features

Power and speed

- 25-MHz 68040 processor with integral math coprocessor

Memory

- 8MB of RAM, expandable to 68MB
- 512K of VRAM, expandable to 1MB

Displays

- Works with all Apple monitors as well as third-party NTSC, PAL, VGA, and SuperVGA displays
- With 512K VRAM upgrade, supports 16-bit color, allowing for display of thousands of vibrant colors

Expansion

- Eight built-in ports to support a wide range of peripherals
- Slot for processor-direct or NuBus expansion card (requires adapter)
- Optional internal CD-ROM drive
- On-board Ethernet (AAUI)

Features Built Into Every Macintosh

Fast, easy setup

- Simple to set up and learn; your system is ready to go the first time you turn it on

System 7 software

- Multitasking for fast, easy switching between applications, as well as background printing
- Quick access to information using the Find and Alias features
- Automatic document updating with Publish and Subscribe "live links"
- TrueType fonts for outstanding results on screen and page
- QuickTime for working with video and sound as easily as text and graphics
- Balloon Help for assistance at the touch of a button

Compatibility

- Runs thousands of Macintosh applications
- Reads Macintosh, Windows, MS-DOS, OS/2, and ProDOS floppy disk formats

Networking

- Built-in AppleTalk networking
- File sharing without a dedicated server

Like all Apple Macintosh Quadra computers, the Macintosh Quadra 610 delivers the high performance you need to get the job done in a demanding environment. It offers the flexibility to meet your needs today, and the room to grow tomorrow.

Based on the fast, 25-megahertz Motorola 68040 processor, the Macintosh Quadra 610 provides affordable high performance. It comes with 8 megabytes of RAM and an integral math coprocessor. In addition, you can expand memory to up to 68 megabytes when you want to add horsepower for sophisticated graphics and multimedia applications as well as mainstream business programs. The Macintosh Quadra 610 even provides high-speed Ethernet support on board.

For convenience, the Macintosh Quadra 610 supports all Apple displays and almost any commonly available

third-party display, including monochrome or color, portrait or landscape, RGB or VGA, and any screen size. You can display up to 256 colors on all Apple color monitors and, with additional video RAM, more than 32,000 colors on most Apple monitors. Which means you get more colors than ever from your display without having to purchase an additional video card.

You'll also find the Macintosh Quadra 610 easy to expand. It comes with eight built-in ports and an expansion slot, so you can set up a system that meets your exact needs, as well as increase your computing power as your needs grow.

The Macintosh Quadra 610 includes an internal hard drive. Its high-speed SCSI interface lets you add high-volume storage devices, such as the AppleCD 300i internal CD-ROM drive, so you can run hundreds of exciting CD-ROM titles.





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Ordering Information

Macintosh Quadra 610

Order No. M2372LL/A

- Macintosh Quadra 610 computer with 8MB of RAM, 512K of VRAM, built-in 1.4MB Apple SuperDrive, and internal 160MB hard disk drive
- Mouse
- System software version 7.1
- Complete setup, learning, and reference documentation
- Limited warranty

Optional Macintosh Quadra 610 configuration

Order No. M2099LL/A

- Macintosh Quadra 610 computer with 8MB of RAM, 230MB hard disk, and internal CD

NuBus Adapter for Macintosh Quadra 610

Order No. M1402LL/A

(same as Macintosh Centris 610 NuBus adapter)

Technical Specifications

Microprocessor

- Motorola 68040, running at 25 MHz; 32-bit data bus
- Integrated math coprocessor, Page Memory Management Unit (PMMU), and 8KB cache

Memory

- Comes with 8MB of RAM
- Can be expanded to up to 68MB of RAM with 32MB SIMMs (dealer installation required)

Disk drives

- One built-in Apple SuperDrive 1.4MB floppy disk drive that uses high-density floppy disks and reads, writes, and formats Macintosh, Windows, MS-DOS, OS/2, and ProDOS disks
- One internal hard disk (160MB and 230MB options available)
- Optional internal CD-ROM drive

Displays

- All Apple displays
- A wide range of third-party displays including NTSC, PAL, VGA, and SVGA monitors

Video RAM (VRAM)

- 512K standard
- Expandable to 1MB

Color depth support

Apple Monitor size	VRAM installed	
	512K	1MB
12-inch	256 grays	256 grays
14-inch	256 colors	32,768 colors
15-inch (Portrait)	16 grays	256 grays
16-inch	256 colors	32,768 colors
21-inch	16 colors	256

Interfaces

- Internal expansion slot for processor-direct or 7-in. NuBus expansion card (requires adapter)
- Two Apple Desktop Bus (ADB) ports for a keyboard, mouse, and other devices
- AAUI-15 Ethernet connector
- Two serial (RS-232/RS-422) ports
- SCSI interface for connecting up to six external devices
- Video port for color and monochrome displays of various sizes and resolutions

Networking

- Built-in Ethernet
- Serial port for AppleTalk

Sound generator

- Built-in speaker
- Stereo 8-bit sound that is capable of driving stereo headphones or other stereo equipment through the sound jack

Sound input

- 8-bit analog-to-digital monophonic recording
- Sample rates: 11 or 22 kHz

Keyboard and mouse

- Several Apple Desktop Bus keyboards with numeric keypads available
- Apple Desktop Bus Mouse II

Clock/calendar

- Custom integrated circuit with long-life lithium battery

Disability access

- CloseView, Easy Access, and visible 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

- Line voltage: 100 to 240 VAC, RMS single phase, automatically configured
- Frequency: 50 to 60 Hz, single phase
- Power: 210 W maximum, not including monitor power

ADB power requirements

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

Size and weight

- Height: 3.4 in. (8.5 cm)
- Width: 16.3 in. (41.5 cm)
- Depth: 15.6 in. (39.7 cm)
- Weight: 14.0 lbs. (6.4 kg) (varies based on internal devices installed)

Operating environment

- Operating temperature: 50° to 104° F (10° to 40° C)
- Storage temperature: -40° to 116.6° F (-40° to 47° C)
- Relative humidity: 5% to 95% noncondensing
- Maximum altitude: 10,000 ft. (3,048 m)

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