Macintosh Quadra 660AV

Power and speed
- 25-MHz 68040 microprocessor
- 55-MHz 3210 digital signal processor

Memory
- 8MB of RAM, expandable to 68MB
- 1MB of VRAM standard
- 230MB and 500MB internal hard disks available

Display
- Works with all Apple monitors as well as NTSC, PAL, VGA, and SuperVGA displays
- Supports 16-bit color, allowing for display of thousands of vibrant colors

Expansion
- 12 built-in ports for a wide range of peripherals
- Single slot supports 7-inch NuBus expansion cards via NuBus adapter
- Optional internal CD-ROM drive

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

With an innovative architecture that delivers new capabilities in telecommunications, video, and speech, the Apple Macintosh Quadra 660AV computer helps you work and communicate more effectively than ever before.

The Macintosh Quadra 660AV combines the horsepower of a 25-megahertz 68040 microprocessor with a 55-megahertz digital signal processor (DSP) to achieve outstanding performance. The DSP handles telecommunications, speech, and audio functions, allowing the 68040 processor to handle other tasks, thereby increasing the total system performance.

The power and built-in features of the Macintosh Quadra 660AV let you take full advantage of exciting new audio-visual technologies. For example, with its built-in GeoPort telecommunications architecture, the Macintosh

Quadra 660AV can connect with telephone systems, so you can use your computer as a telephone, an answering machine, a fax machine, and an electronic mail station. Its video capabilities let you view or capture video from a VCR, laser disc, or camcorder in a window. You can also connect directly to a TV to show your presentations or to a VCR to make videotapes.

Using PlainTalk speech technology from Apple, the Macintosh Quadra 660AV can respond to your voice commands. And it generates CD-quality stereo sound, so all your audio applications sound great. In short, the Macintosh Quadra 660AV can serve as your personal communications center. Whether you're in the office or on the go, you can use it to work more efficiently and effectively than ever.

Macintosh Quadra 660AV

Technical Specifications

Microprocessor
- Motorola 68040, running at 25 MHz
- Integrated floating-point unit, Page Memory Management Unit (PMMU), and 8KB cache

Digital signal processor
- AT&T 3210, running at 55 MHz

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, MS-DOS, OS/2, and ProDOS disks
- One internal hard disk (80MB, 230MB, and 500MB options available)
- Optional internal Apple CD-ROM drive
- Optional external SCSI hard disk drive (many capacities available)

Displays supported
- All Apple displays up to 21 in.
- A wide range of third-party displays, including NTSC, PAL, VGA, and SVGA monitors

Video RAM (VRAM)
- 1MB standard

Color depth support
- 16-bit; permits display of thousands of colors on monitors up to 16 in., and up to 256 colors on 21 in.

Interfaces
- One internal NuBus expansion slot via NuBus adapter, which includes support for digital audio video (DAV) connector
- One Apple Desktop Bus (ADB) port, supporting a keyboard, mouse, and other devices
- AAUI-15 Ethernet connector
- Two serial (RS-232/RS-422) ports
- Two S-Video and two composite video ports, one each for input and output
- SCSI interface for connecting up to a total of seven SCSI devices
- Sound-out port for stereo playback from CDs or Macintosh audio applications
- Stereo sound-input port (supports 16-bit stereo audio)

Networking
- Built-in Ethernet
- Serial port for AppleTalk
- Integrated GeoPort telecommunications architecture for data, fax, and voice connectivity

Sound generator
- DSP-based 16-bit stereo audio
- Sample rates: 8 kHz to 48 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: 47 to 63Hz, single phase
- Power: 86 W maximum, not including monitor power

ADB power requirements
- Maximum current draw for all Apple Desktop Bus devices: 500mA (a maximum of three Apple Desktop Bus devices is recommended)
- Mouse draws 10mA
- Keyboard draws 25-80mA (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) (Weight 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)