

Macintosh Quadra 840AV: Specifications (7/93)

Revised: Security:	
	ra 840AV: Specifications (7/93)
	d: 29 July 1993 ed/Updated: 9 August 1993
TOPIC	
This article g 840AV computer	ives the technical specifications for the Macintosh Quadra
DISCUSSION	
Microprocessor	
Motorola 680Integrated f	40, 32-bit architecture, 40 Mhz clock speed loating-point unit (FPU) Management Unit (PMMU)
	processor (DSP)
AT&T 3210 ru:Used for source	nning at 66.67 Mhz nd, speech recognition, telecommunications, and other ocessing tasks
Memory	
 Four memory are 4,8,16,ar Expandable t slots. (Note 256 bytes of 	standard (varies depending on model ordered). expansion slots for 60ns 72-pin SIMMs. Supported SIMM sizes nd 32 MB. o 128 MB of RAM by using 32 MB SIMMs in each of the four SIMM : Dealer Installation Required). non-volatile parameter memory (PRAM). o 512k by 16 chips).
Disk Drives	

• One Built-in Apple SuperDrive 1.4MB floppy disk drive that uses

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high-density floppy disks and reads, writes, and formats Macintosh, MS-DOS, OS/2, and ProDOS disks.

- Support for three internal SCSI devices, two of which may be used for removable media such as an internal CD-ROM drive. One of the internal SCSI devices may be a full height drive or a drive array. (230 MB, 500 MB, and 1 GIG options available).
- Optional internal Apple CD-ROM drive (see above).
- Optional external SCSI hard disk drive (many capacities available).

Video Display

- Supports all Apple displays up to 21 inches.
- Supports some other non-Apple monitors, including VGA, SVGA, NTSC, and PAL 19" monitors.

Video RAM

- 1 MB VRAM expandable to 2 MB. Upgrading VRAM to 2 MB permits 24 bit display (millions) on monitors up to 16-in. and 16 bit (thousands) on 21-in. color monitor.
- Four memory expansion slots for 80ns 256K SIMMs.
- VRAM is shared between graphics window and video window.
- Maximum video window size at a color depth of 16 bits is 640 X 480.

Interfaces

- Three internal NuBus expansion slots, including one with a digital-audio video connector (DAV)
- One Apple Desktop Bus (ADB) port, supporting a keyboard, mouse, and other devices
- AAUI-15 Ethernet connector
- Two serial (RS-232/RS-422) ports (Printer & Modem/GeoPort).
- Two S-Video ports, one each for input and output.
- 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)
- One monitor out port.

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

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• Several Apple Desktop Bus keyboards with numeric keypads available.

Mouse

• Apple Desktop Bus Mouse II; mechanical tracking, optical shaft, or contact encoding.

Clock/Calendar

• Custom integrated circuit with long-life lithium battery.

Apple PlainTalk Microphone

• The microphone is unidirectional and optimized for use with speech recognition. (Microphone bundled with all units sold in the USA, available as a separate item outside the USA.)

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 VAC, RMS single phase, automatically configured.
- Frequency: 50 to 60 Hz, single phase
- Power: 200 watts maximum, not including monitor power

ADB Power Requirements

- Maximum current draw for all ADB devices: 500 milliamps (a maximum of three Apple Desktop Bus devices is recommended)
- Mouse draws 10 milliamps.
- Keyboard draws 25 to 80 milliamps, depending on the keyboard model used.

Size and Weight

Main unit

- Height 14.25 inches (30.6 cm)
- Width 7.75 inches (19.7 cm)
- Depth 16.0 inches (39.6 cm)
- Weight* 24 pounds (10.9 kg)

* Weight varies based on internal devices installed.

Mouse

- Height 1.3 inches (33 mm)
- Width 2.4 inches (61.7 mm)

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- Depth 4.2 inches (107.3 mm)
- Weight 4 ounces (0.10 kg)

Operating Environment

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

System Software Requirements

• Requires System 7.1 or later and the System Enabler 088.

Article Change History: 9 August 1993 - added VRAM SIMM specifications 30 July 1993 - added correct name of System Enabler.

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