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Macintosh Quadra 950: Specifications

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TOPIC -----

This article gives the technical specifications for the Macintosh Quadra 950 computer.

DISCUSSION -----

Microprocessor

-
- Motorola 68040, 32-bit architecture, 33 MHz clock speed
 - Integral Paged Memory Management Unit (PMMU), Floating Point Unit (FPU), and 8-kilobyte cache architecture

I/O Speed

-
- 25 MHz

Memory

-
- Comes with 8MB of RAM standard and eight memory expansion slots for 80ns SIMMs (Single In-line Memory Modules).
 - Expandable to 64MB of RAM by installing 4MB SIMMs in all 16 slots.

Disk Drives

-
- Built-in Apple SuperDrive 1.4MB floppy disk drive
 - 230MB or 400MB internal Apple SCSI hard disk drive (optional)

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- Support for four internal SCSI devices, such as a CD-ROM or DAT drive, or SCSI hard disk drive (several capacities available)

Video Display

- Up to 16 bpp video support for most Apple monitors standard (15-inch portrait and 21-inch landscape require 2MB VRAM)
- Supports all Apple monochrome and color monitors, including:
 - Macintosh 12-inch RGB Display
 - Macintosh 12-inch Monochrome Display
 - AppleColor High-Resolution RGB Monitor
 - Macintosh Portrait Display
 - Macintosh Two-Page Monochrome Monitor
 - Macintosh 21-inch Color Display
- Supports some other non-Apple monitors, including VGA, NTSC, and PAL.
- 24 bpp video support on 12-inch (1MB VRAM), 13-inch, NTSC, PAL, 16-inch with 2MB VRAM.

Video RAM

- 1MB, upgradable to 2MB for display of more colors or shades of gray

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 68040 PDS (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
- Two audio line input ports (stereo input is mixed to a monophonic signal)
- AUI-15 Ethernet connector

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Keyboard

- Supports all ADB (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: 59 to 60 Hz, 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. (3,048m)

Size and Weight

- Main unit
 - Height 18.6 inches (47.3 cm)
 - Width 8.9 inches (22.4 cm)
 - Depth 20.6 inches (52.3 cm)
 - Weight 36 lb. 12 oz. (16.7 kg)*
 - Mouse
 - Height 1.1 inches (2.8 cm)
 - Width 2.1 inches (5.3 cm)
 - Depth 3.8 inches (9.7 cm)
 - Weight 6 oz. (.17 kg)
- * Weight is greater with an internal hard disk.

Noise Level

< 40 db (floor standing position) measured from the seated operator position.

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