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)

- 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

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


Interfaces
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- 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

Keyboard
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- Supports all ADB (Apple Desktop Bus) keyboards.

Mouse
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- 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

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