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Macintosh Quadra 800: Specifications (Discontinued)

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Security: Everyone

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TOPIC -----

This article gives the technical specifications for the Macintosh Quadra 800 computer, which was discontinued on 14 March 1994.

DISCUSSION -----

Microprocessor

- Motorola 68040, 32-bit architecture, 33 MHz clock speed; main logic board clock 33 MHz
- 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 four memory expansion slots for 60ns 72-pin SIMMs. Current Apple SIMMs don't work in the Quadra 800. It doesn't support 1MB, 2MB, or 64MB 72-pin SIMMs.
- Expandable to 136MB of RAM by installing 32MB SIMMs in each of the four SIMM slots.

Disk Drives

- Built-in Apple SuperDrive 1.4MB floppy disk drive
- 230MB or 500MB internal Apple SCSI hard disk drive (optional)
- Support for two internal SCSI devices, such as a CD-ROM or DAT drive, or SCSI hard disk drive (several capacities available)

Video Display

- Up to 16 bits per pixel (bpp) video support for all Apple monitors standard (Macintosh Color Display (14-inch) Macintosh 16" Color Display and require 1MB VRAM.)
- Supports all Apple monochrome and color monitors, including:
 - Macintosh 12" RGB Display
 - Macintosh 12" Monochrome Display
 - AppleColor High-Resolution RGB Monitor
 - Macintosh Color Display (14" display)
 - Apple Macintosh Portrait Display
 - Macintosh 16" Color Display
 - Macintosh Two-Page Monochrome Monitor
 - Macintosh 21" Color Display
- Supports some other non-Apple monitors, including VGA, SVGA, NTSC and PAL 19" monitors.

Video RAM

- 512K VRAM, upgradable to 1MB 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
- Three 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

- Supports all ADB (Apple Desktop Bus) keyboards.

Mouse

- Apple Desktop Bus Mouse II; 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
 - 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: 200 milliamps
 - Mouse draws 80 milliamps.
 - Keyboard draws 25 to 80 milliamps, depending on the keyboard model used.

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. (3,048m)

Size and Weight

-
- Main unit
 - Height 14.25 inches (46.2 cm)
 - Width 8.9 inches (22.5 cm)
 - Depth 16 inches (40.5 cm)
 - Weight 24 lb. (16.7 kg) varies with disk drive options installed
 - 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)

Noise Level

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

Article Change History:

21 Oct 1994 - Corrected dimension specs.

18 Mar 1994 - Added "Macintosh" to title.

14 Mar 1994 - Added discontinued information announced 14 March 1994.

Support Information Services

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