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Macintosh Quadra 700: Specifications (Discontinued 3/93)

Revised: 9/24/93
Security: Everyone

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Article Change History

08/05/92 - REVIEWED
• For technical accuracy.

TOPIC -----

This article gives the technical specifications for the Macintosh Quadra 700 computer.

DISCUSSION -----

Microprocessor

-
- Motorola 68040, 32-bit architecture, 25 MHz clock speed
 - Integral Paged Memory Management Unit (PMMU), Floating Point Unit (FPU), and 8-kilobyte cache architecture

Memory

-
- Comes with 4MB of RAM on the logic board and four memory expansion sockets.
 - Expandable to 20MB of RAM by installing 4MB SIMMs in the empty slots.

Disk Drives

-
- Built-in Apple SuperDrive 1.4MB floppy disk drive
 - 80MB, 160MB, or 400MB internal Apple SCSI hard disk drive (optional)

Video Display

- Supports all Apple 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 non-Apple monitors, including VGA, NTSC, and PAL

Video RAM

- 512K, upgradable to 2MB for display of more colors or shades of gray

Interfaces

- Two Apple Desktop Bus (ADB) ports, 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
- Two internal NuBus expansion slots
- One processor-direct slot provides access to the CPU bus 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
- AUI-15 Ethernet connector

Keyboard

- Supports all 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: 50 to 60 Hz, single phase
- Power: 50 watts maximum, not including monitor power

ADB Power Requirements

- Maximum current draw for all ADB devices: 200 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 to 104 degrees F (10 to 40 degrees C)
- Storage temperature: -40 to 116.6 degrees F (-40 to 47 degrees C)
- Relative humidity: 20% to 80 % noncondensing
- Maximum altitude: 10,000 ft. (3,048 m)

Size and Weight

- Main unit
 - Width 11.9 inches (30.2 cm)
 - Height 5.5 inches (14.0 cm)
 - Depth 14.4 inches (36.5 cm)
 - Weight 13 lb. 10 oz. (6.2 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)

Noise Level

< 40 db measured from the seated operator position.

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