Macintosh Quadra 700: Specifications (Discontinued 3/93)

Article Created: 21 October 1991

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

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        - Macintosh Two-Page Monochrome Monitor
        - Macintosh 21-inch Color Display


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


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


Interfaces
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- 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
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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
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- Custom chip with long-life lithium battery


Microphone
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- 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

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  < 40 db measured from the seated operator position.
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Keywords:  SPECSHT

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