Macintosh Quadra 610 DOS Compatible: Specifications (1/95)

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TOPIC --

This article provides technical specifications for the Macintosh Quadra 610 DOS
Compatible computer.

DISCUSSION ---

Microprocessors

• 68LC040, 25-MHz clock speed, 32-bit data bus
• Intel 486sx, 25-MHz clock speed, 32-bit data bus

Memory

• Comes with 4MB of RAM on the logic board
• Expandable to 68MB of RAM by adding a Single Inline Memory Module
  (SIMM) to the 72-pin slot on the Macintosh logic board (dealer
  installation required).
• Single Macintosh-compatible 72-pin SIMM slot for up to 32 MB of 80ns
  local RAM on DOS Compatibility Card (dealer installation required).
• DOS environment can access either shared memory on the Macintosh
  logic board (up to 64MB) or local memory on the DOS Compatibility
  Card (up to 32MB)

Storage

• Built-in Apple SuperDrive 1.4MB floppy disk drive, which uses
  high-density floppy disks and reads, writes, and formats Macintosh,
  Windows, MS-DOS, OS/2, and ProDOS disks
• Internal hard disk
• Optional internal CD-ROM drive

Displays

• Features built-in support for one or two displays
• Works with all Apple displays as well as third-party NTSC, PAL, VGA,
  and SuperVGA displays (Macintosh environment)
• Works with Apple 13-inch, 14-inch, and 16-inch displays as well as
  third-party VGA and SuperVGA displays (DOS environment)

Video RAM (VRAM)

• 512K standard, expandable to 1MB (Macintosh environment)
• 512K RAM for video (DOS environment)

Interfaces

• PC game port (DOS environment)
• SCSI interface for connecting up to six external peripheral devices
• AAUI-15 Ethernet connector
• Two serial (RS-232/RS-422) ports for Macintosh-compatible devices
• Video port for color and monochrome displays of various sizes and
  resolutions
• Two Apple Desktop Bus (ADB) ports for a keyboard, mouse, and other
  devices

Networking

• Serial port for AppleTalk
• Built-in Ethernet

Sound Generator

• Built-in speaker
• Stereo 8-bit sound capable of driving stereo headphones or other
  stereo equipment through the sound jack (Macintosh environment)

Sound Input

• 8-bit analog-to-digital monophonic recording
• Sample rates: 11 or 22 KHz

Keyboard and Mouse

• Several ADB keyboards with numeric keypads available
• Apple Desktop Bus Mouse II

Clock/Calendar

• Custom integrated circuit with long-life lithium battery

Disability Access

• CloseView, Easy Access, and visible-beep software are built in.
  These and third-party options provide alternative input and output
  devices.

Electrical Requirements

• Line voltage: 100 to 240 VAC, RMS single phase, automatically
  configured
• Frequency: 50 to 60 Hz, single phase

- Power: 210 W maximum, not including display power

ADB Power Requirements

- Maximum current draw for all ADB devices: 500 mA
  (three ADB devices maximum recommended)
- Mouse draws 10 mA
- Keyboard draws 25 to 80 mA (depending on the keyboard used)

Size and Weight

- Height: 3.4 in. (8.6 cm)
- Width: 16.3 in. (41.4 cm)
- Depth: 15.6 in. (39.6 cm)
- Weight: 16.2 lbs (7.4 kg) Weight varies depending internal devices
                            installed.

Operating Environment

- Operating temperature: 50° to 104° F (10° to 40° C)
- Storage temperature: −40° to 117° F (−40° to 47° C)
- Relative humidity: 5% to 95% noncondensing
- Maximum altitude: 10,000 ft. (3,048 m)

Article Change History:
13 Jan 1995 - Documented SIMM specification for DOS card.
20 Dec 1994 - Corrected RAM amount and number of SIMM slots.
18 Mar 1994 - Added "Macintosh" to title.

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