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Macintosh Quadra 605: Specifications (8/95)

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TOPIC -----

This article gives technical specifications for the Macintosh Quadra 605 computer.

DISCUSSION -----

Microprocessor

- MC680LC40, 25 MHz clock speed, logic board clock 25 MHz; 32-bit data bus
- Integrated Paged Memory Management Unit (PMMU)

Memory

- Comes with 4MB of RAM on the logic board
- Expandable to 36MB by adding one SIMM to a single 72-pin slot
- Includes RAM disk software

Disk drives

- One built-in Apple SuperDrive 1.4MB floppy disk drive
- One internal 80MB or 160MB hard disk
- Optional external hard disk drive
- Optional external AppleCD CD-ROM drive

Video display

Supports several displays, including:

- Macintosh 12-inch Monochrome Display
- Macintosh 12-inch RGB Display
- AppleColor High-Resolution RGB Display (13-inch)
- Macintosh Color Display (14-inch)
- Macintosh Portrait Display (15-inch)
- Macintosh 16-inch Color Display
- Third-party monitors
- VGA monitors

Video RAM (VRAM)

- Standard 512K VRAM supports 8-bit color for display of 256 colors on monitors up to 16 inches.
- Additional 512K VRAM provides 16-bit color for display of thousands of colors on monitors up to 16 inches
- 512K standard supports:
 - 32,768 colors on the Macintosh 12-inch RGB Display
 - 256 colors on the AppleColor High-Resolution RGB Display (13-inch), Macintosh Color Display (14"), and Macintosh 16-inch Color Display
 - 256 shades of gray on the Macintosh 12-inch Monochrome Display
 - 16 shades of gray on the Macintosh Portrait Display (15-inch)
 - 16 colors on the Macintosh 21-inch Color Display
 - 16 shades of gray on the Two-Page Monochrome Display
- 1MB option supports:
 - 32,768 colors on the Macintosh 12-inch RGB Display, AppleColor High-Resolution RGB Display (13-inch), Macintosh Color Display (14-inch), and Macintosh 16-inch Color Display
 - 256 shades of gray on the Macintosh 12-inch Monochrome Display and Macintosh Portrait Display (15-inch)
 - 256 colors on the Macintosh 21-inch Color Display
 - 256 shades of gray on the Two-Page Monochrome Display

Interfaces

- One Apple Desktop Bus (ADB) port for a keyboard, mouse, and other devices
- SCSI interface for connecting up to six external peripheral devices
- Two serial (RS-232/RS-422) ports
- One video port for color and monochrome displays of various sizes and resolutions
- Sound-output port (stereo) for external amplifier or headphones
- Slot for most expansion cards that are compatible with Macintosh LC II, LC III, and LC 520 Processor Direct Slots.

Networking

- Built-in AppleTalk port

Sound Input*

- Sound input port for monaural sound input
(monaural 8-bit sound, sampled at 22 or 11 kHz)

*NOTE:

The Apple PlainTalk Microphone, which is sold as a standalone product, is compatible with these systems. These products can not use the older style low-level output microphone used on previous Macintosh models.

Keyboard and Mouse

- Several ADB keyboards with numeric key pads 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.
- Third-party options provide alternative input and output devices

Power Requirements

- Line voltage: 90 to 240 VAC, RMS single phase, automatically configured
- Frequency: 50 to 60 Hz
- Power: 30 watts maximum, not including display power
- EPA Energy Star compliant

ADB Power Requirements

- Maximum current draw for all ADB devices: 200 mA (three ADB devices maximum is recommended)
- Mouse draws 80 mA
- Keyboard draws 25 to 80 mA (varies with keyboard model used)

Size and Weight

Main unit:

- Height: 2.9 inches (7.4 cm)
- Width: 12.2 inches (31.0 cm)
- Depth: 15.3 inches (38.8 cm)
- Weight: 8.8 pounds (4.0 kg) (varies based on internal devices installed)

Mouse:

- Height: 1.3 inches (3.3 cm)
- Width: 2.4 inches (6.2 cm)
- Depth: 4.2 inches (10.7 cm)
- Weight: 4.0 ounces (0.10 kg)

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: 20% to 80% noncondensing
- Maximum altitude: 10,000 ft. (3,048 m)

System Software Requirements

Requires System 7.1 or later and System Enabler 065.

What's Included

Software included: System Software 7.1, QuickTime 1.6.1, HyperCard Player 2.1, Macintosh Basics 4.2 and MacCheck 1.0.4.

Documentation included:

- Getting Started with your Macintosh Quadra 605
- Macintosh User's Guide
- Technical Specifications for your Macintosh Quadra 605

Article Change History:

- 22 Aug 1995 - Added compatibility information on PlainTalk microphone.
- 18 Mar 1994 - Added "Macintosh" to title.
- 01 Mar 1994 - Added Two-Page Monochrome Monitor to Video RAM Section.

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