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Macintosh Quadra 840AV: Description (8/93)

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TOPIC -------------------------------------------------------------

This article describes the Macintosh Quadra 840AV, one of the two new
Macintoshes incorporating the AV Technologies in a high performance form
factor.


DISCUSSION --------------------------------------------------------

Overview
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To put it simply, the Apple Macintosh Quadra 840AV computer is the most
powerful, feature-rich system Apple has ever built. With an innovative
architecture that delivers exciting new capabilities in telecommunications,
video, and speech, the Macintosh Quadra 840AV helps you communicate more
effectively than ever before.

The Macintosh Quadra 840AV combines the raw horsepower of a 40-megahertz
68040 microprocessor with a 66-megahertz digital signal processor (DSP) to
achieve outstanding performance. The DSP handles telecommunications,
speech, and audio functions, allowing the 68040 processor to perform other
tasks, thereby increasing the total system performance.

The exceptional power and built-in features of the Macintosh Quadra 840AV
let you take full advantage of exciting new audio-visual technologies. For
example, with its built-in GeoPort telecommunications architecture, the
Macintosh Quadra 840AV can be connected with telephone systems, so you can
use your computer as a telephone, an answering machine, a fax machine, and
an electronic mail station. Its video capabilities let you view or capture
video from a VCR, laser disc, or camcorder in a window. You can also
connect directly to a TV to show your presentations or to a VCR to make
videotapes.

Using PlainTalk speech technology from Apple, the Macintosh Quadra 840AV
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can respond to your voice commands. And it generates CD-quality stereo
sound, so all your audio applications sound great.

In short, the Macintosh Quadra 840AV can serve as your personal
communications center. Whether you're in the office or on the go, you can
use it to work more efficiently and effectively than ever.

Features

Power and speed

• 40-MHz 68040 microprocessor
• 66-MHz 3210 digital signal processor
• 32-bit data bus

Memory

• 8MB of RAM, expandable to 128MB
• 1MB of VRAM, expandable to 2MB
• 230MB, 500MB, and 1GB internal hard disks available
• 2MB ROM

 RAM Notes:
 1) The 8MB RAM configurations come with one 8MB SIMM in one of the four
    SIMM slots.
 2) The 16MB RAM configurations come with two 8MB SIMMs in two of
    the four SIMM slots.)

Display

• Works with all Apple monitors as well as NTSC, PAL, VGA, and SuperVGA
  displays.
• With 1MB VRAM upgrade, supports 24-bit color on monitors up to 16inches,
  allowing for display of millions of vibrant colors, or 16-bitcolor on
  21-inch monitors.

Expansion

• Twelve built-in ports for peripheral devices, including video (composite
  and S-Video formats) and audio
• 3 NuBus slots for expansion cards
• Optional internal CD-ROM drive

System software

• System 7 with multitasking, file sharing, QuickTime, Balloon Help,
  TrueType, and more

Networking

• Built-in AppleTalk networking
• File sharing without a dedicated server

• On-board Ethernet networking

Compatibility

• Macintosh, MS-DOS, OS/2, and ProDOS disks

What's in the box?

Each unit includes a power cord, keyboard cable, mouse, microphone,
system software and CD Caddy#.

System software includes System 7.1, System Enabler 088, Color
Macintosh Basics, QuickTime 1.6, and HyperCard Runtime.

System software shipped on a bootable CD-ROM, the "Install Me First CD"
which can double as a rescue disk.

Documentation included with the Quadra 840AV

• Getting Started with your Macintosh Quadra 840AV
• Technical Information for the Macintosh Quadra 840AV
• Macintosh User's Guide for desktop Macintosh computers
• AppleCD 300i User's Guide#
• Apple Extras User's Guide
  (Located in the Apple Extras folder on the hard disk.)

#(Only for systems with built-in CD-ROM drive.)

Configurations and Ordering Information

Macintosh Quadra 840AV 8/230

Order No. M9025LL/A

• Macintosh Quadra 840AV personal computer with 8MB of RAM, 1MB of VRAM,
  built-in 1.4MB Apple SuperDrive, and internal 230MB hard disk drive
• Mouse
• Complete setup, learning, and reference documentation
• System software version 7.1
• Limited warranty

Other Macintosh Quadra 840AV configurations

• With 8MB of RAM, 230MB hard disk, internal CD: Order no. M9028LL/A
• With 16MB of RAM and 500MB hard disk: Order no. M1836LL/A
• With 16MB of RAM, 500MB hard disk, and internal CD: Order no. M1837LL/A
• With 16MB of RAM, 1GB hard disk, and internal CD: Order no. M1838LL/A

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the four SIMM slots.)

Macintosh Quadra 840AV Logic Board Upgrade

Order No. M1848LL/A

• Upgrades a Macintosh Quadra 800 computer to a Macintosh Quadra 840AV
  computer

Macintosh VRAM Expansion Kit (2-256K SIMMs)

Order No. M5953LL/A

• Provides greater on-screen colors (24-bit display on most monitors).
  Requires two kits (all four sockets must be filled).

Article Change History:
27 August 1993 - added additional documentation information.
24 August 1993 - added RAM SIMM information for 8MB and 16 MB configurations.
13 August 1993 - added VRAM Expansion Kit information.
30 July 1993 - added correct name of System Enabler.

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