



# Tech Info Library

## Centris 650: Description (8/93) (Discontinued)

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Security: Everyone

Centris 650: Description (8/93) (Discontinued)

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TOPIC -----

This article describes the Macintosh Centris 650.

DISCUSSION -----

Overview  
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Designed for performance and flexibility, the Apple Macintosh Centris 650 is the most expandable Macintosh Centris computer. Like all Macintosh Centris models, the Macintosh Centris 650 is ideal for mainstream business and professional users. The Centris 650 offers the speed and power you need to get the job done in the most demanding environments, and the flexibility to grow as your needs change.

Based on the fast 25-megahertz Motorola 68040 microprocessor, the Macintosh Centris 650 provides affordable high performance. The Centris 650 comes with 4MB of RAM soldered to the main logic board, and a built-in 8K cache for speed up to 2.5 times that of the Macintosh IIci and IIvx. (Configurations that include Ethernet or AppleCD 300i have 8MB soldered to the main logic board.) For increased performance, you can expand memory up to 132MB. All configurations except the 4MB configuration include an FPU (an FPU upgrade for the 4MB configuration is not available due to the lack of a socket for a separate Math Coprocessor on the 68LC040 CPU).

For performance and convenience, the Macintosh Centris 650 works with all Apple displays. The standard Macintosh Centris 650 can display 256 crisp colors on the Macintosh 16-inch display. For photographic-quality images, a video upgrade lets you show 32,768 colors on the same display.

You can use the Macintosh Centris 650's expandability to set up a system that meets your exact needs, or to increase your computing power as your needs grow. Customize your system by adding NuBus expansion cards in the

three expansion slots provided, or with an on-board networking capability add an Ethernet option. The Macintosh Centris 650 comes standard with an internal hard drive, and its high-speed SCSI interface lets you add additional high-volume storage devices, such as the AppleCD 300i internal CD-ROM drive, so you can run CD-ROM applications in brilliant color.

This computer's form factor is designed for horizontal use only.

The Macintosh Centris 650 comes with System Software 7.1 and the System Enabler 040.

#### Power and Speed

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- 25-MHz 68040 processor
- 32-bit data bus

#### Memory

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- 4MB of RAM (8MB with Ethernet or AppleCD 300i), expandable to 132MB

#### Display

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- Works with all Apple displays
- 256 colors, expandable to 32,768 colors

#### Expansion

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- Optional internal CD-ROM drive (such as AppleCD 300i)
- Eight built-in ports for peripherals
- Three NuBus expansion slots
- One inline 68040 processor-direct slot
- Optional on-board Ethernet

#### System software

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

#### Networking

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

#### Compatibility

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- Reads Macintosh, MS-DOS, OS/2, and ProDOS floppy disk formats

#### ORDERING INFORMATION

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M1276LL/A Macintosh Centris 650 4MB Hard Disk 80 CPU (without Ethernet or FPU)  
M1613LL/A Macintosh Centris 650 8MB Hard Disk 80 CPU  
M1337LL/A Macintosh Centris 650 8MB Hard Disk 230 CPU

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M1279LL/A Macintosh Centris 650 8MB (1MB VRAM) Hard Disk 230 CPU w/CD-ROM  
M1209LL/A Macintosh Centris 650 8MB (1MB VRAM) Hard Disk 500 CPU

## Article Change History:

11 August 1993 - Corrected to indicate that an FPU upgrade for the 4MB configuration is not available.

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