Centris 610: Specifications-Discontinued (8/94)

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TOPIC --

This article provides technical specifications for the Macintosh Centris
610 computer.

DISCUSSION ---

Microprocessor

• MC68LC040, 20-MHz clock speed, main logic board clock 20 MHz; 32-bit data
  bus; no floating point unit (FPU)
• Integral Paged Memory Management Unit (PMMU) and 8K-cache architecture

Memory

• Comes with 4MB of RAM on the logic board
• Expandable to 68MB of RAM by adding Single Inline Memory Modules
  (SIMMs) to two 72-pin slots. (Doesn't support 1MB, 2MB, or 64MB 72-pin
  SIMMs.)
• Includes RAM disk software

ROM

• 1MB

Disk Drives

• One built-in Apple SuperDrive 1.4MB floppy disk drive
• One internal 80MB, 230MB, or 500MB hard disk (500MB configuration not
  available in the U.S.)
• Accommodates one 5.25-inch half-height device, such as the AppleCD 300i
  internal CD-ROM drive

Video Display

• Supports all Apple displays
• Works with a wide range of third-party displays, including some 19-in.,
  VGA, SVGA, NTSC, and PAL monitors

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Video RAM (VRAM)
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512K Standard Supports:
• 32,768 colors on the Macintosh 12-inch RGB Display
• 256 colors on the AppleColor High-Resolution RGB Display (13"),
  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")
• 16 colors on the Macintosh 21-inch Color Display

1,024K Option Supports:
• 32,768 colors on the Macintosh 12-inch RGB Display, AppleColor
  High-Resolution RGB Display (13"), Macintosh Color Display (14"), and
  Macintosh 16-inch Color Display
• 256 shades of gray on the Macintosh 12-inch Monochrome Display and
  Macintosh Portrait Display (15")
• 256 colors on the Macintosh 21-inch Color Display

Interfaces
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• Internal expansion slot for one processor-direct or 7-inch NuBus
  expansion card (requires adaptor)
• SCSI interface for connecting up to six external peripheral devices
• AAUI-15 Ethernet connector (optional)
• Two serial (RS-232/RS-422) ports
• One video port for color and monochrome displays of various sizes and
  resolutions
• One sound-output port (stereo) for external amplifier or headphones, and
  CD playthrough
• One sound-input port for monaural sound input
• Two Apple Desktop Bus (ADB) ports for a keyboard, mouse, and other
  devices

Sound Generator
---------------
• Custom integrated circuit that drives a stereo miniature
  headphone jack (22 kHz sample rate)

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

Clock/Calendar
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• Custom integrated circuit with long-life lithium battery

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

• Line voltage: 100 to 240 V AC, RMS single phase, automatically configured
• Frequency: 47 to 63 Hz
• Power: 86 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 model used)

Size and Weight

Main Unit:
• Height: 3.4 in. (8.5 cm)
• Width: 16.3 in. (41.5 cm)
• Depth: 15.6 in. (39.7 cm)
• Weight: 14.0 lbs (6.4 kg) Weight varies depending internal devices
                               installed.

Mouse:
• Height: 1.3 in. (3.3 cm)
• Width: 2.4 in. (6.2 cm)
• Depth: 4.2 in. (10.7 cm)
• Weight: 4.0 oz. (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: 5% to 95% noncondensing
• Maximum altitude: 10,000 ft. (3,048 m)

Article Change History:
31 Aug 1994 - Corrected processor to be 68LC040.
11 Aug 1993 - 500MB drive is not available in the U.S.
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