Color Classic: Specifications (3/93) (Discontinued)

Article Created: 9 February 1993

Article Change History

03/12/93 - REVISED
           • To clarify the on-board RAM configuration.

TOPIC ---

This article provides the specifications for the Macintosh Color Classic
computer system.

DISCUSSION --

Microprocessor

• Motorola 68030, clock speed 16 MHz, 16-bit data bus
• Integral PMMU (Paged Memory Management Unit)
• Socket for optional math coprocessor: 16 MHz floating point unit (FPU)
  The Macintosh Math Co-processor kit is order number M6775LL/A

Memory

• 4MB of RAM on the logic board and two memory expansion slots for SIMMs
• RAM expansion to as much as 10MB
• RAM disk software included

Storage

• One built-in Apple SuperDrive 1.4MB floppy-disk drive that reads, writes,
  and formats Macintosh, MS-DOS, OS/2, and ProDOS disks
• One built-in 80MB SCSI hard-disk drive (Other capacities may be offered
  in the future.)
• Optional external AppleCD CD-ROM drive

Display

• Built-in 10-inch (diagonal) color Trinitron CRT
• 512 x 384 pixels (12% more viewing area than Classic and Classic II)

- 76 dpi, .26-stripe pitch
- 256 colors, upgradeable to thousands of colors (see VRAM)

VRAM (Video RAM)

- 256K allows 256 colors
- 512K allows 32,768 colors

Interfaces

- AppleTalk built-in
- Internal expansion slot for one Macintosh-LC PDS (processor-direct slot) card
- SCSI interface for up to six external SCSI peripheral devices
- Two serial (RS-232/RS-422) ports
- Two ADB (Apple Desktop Bus) ports for mouse, keyboard, and so on

Sound

Monophonic 8-bit digital-analog conversion, with 22-kHz sample rate -- capable of driving stereo headphones or other stereo equipment through the sound jack.
- Built-in omnidirectional electret microphone
- One mono sound-out port for external audio amplifier or headphones
- One sound-in port for 8-bit mono sound, sampled at 22 or 11 kHz

Keyboard and Mouse

- Apple ADB Mouse II
- ADB Keyboard with numeric keypad and two-level tilt adjustment

Clock and Calendar

- Custom integrated circuit with long-life lithium battery

Fan

- 9-12 cubic feet/min. axial; operational flow
- Negative pressure cooling

Disability Access

- CloseView, Easy Access, and visible beep built in
- Third parties provide alternative input/output devices

Power Requirements

- Line voltage: 90 to 240 VAC, RMS single phase automatically configured
- Frequency: 47 to 63 Hz
- Power: 100 W maximum

ADB Power Requirements

- Mouse draws 10 mA
- Keyboard draws 25 mA
- Maximum current draw for all ADB devices: 500 mA
  (maximum of three ADB devices recommended)

Size and Weight

	Main Unit	Mouse	Keyboard
Height	14.5 in. (37.0 cm)	1.3 in. (3.3 cm)	1.3 in. (3.25 cm)
Width	9.9 in. (25.2 cm)	2.4 in. (6.17 cm)	16.0 in. (40.53 cm)
Depth	12.6 in. (32.15 cm)	4.2 in. (10.73 cm)	5.9 in. (15.06 cm)
Weight	22.5 - 23.2 lb.	4.0 oz. (0.10 kg)	1.96 lb. (0.89 kg)
	(10.2 - 10.5 kg)		

Environment

- Meets SWEDAC MPR-2 requirements for low emissions
- Built-in energy-saving feature
- 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 95% noncondensing
- Altitude: 15,000 feet (4,722 m) maximum

Ordering Information

M1602LL/A Macintosh Color Classic 4MB RAM, 80MB Hard Drive
Copyright 1993-1994, Apple Computer, Inc.

Keywords: SPECSHT

==

This information is from the Apple Technical Information Library.

19960215 11:05:19.00

Tech Info Library Article Number: 11448