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Macintosh SE/30: Specifications (Discontinued 10/90)

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TOPIC -----

This article gives the specifications for the Macintosh SE/30.

DISCUSSION -----

CENTRAL PROCESSING UNIT (CPU)

- Microprocessor : 15.6672 MHz MC68030 CPU
- Address Bus : 32-bit
- Registers (32-bit) : 16 general-purpose data and address, two 32-bit Supervisor stack pointers, ten special-purpose control registers
- Addressing Modes : 18
- 256-byte instruction cache and 256-byte data cache
- Built-in Paged Memory Management Unit (PMMU)

COPROCESSOR

- MC68882 floating-point unit (follows IEEE standards)

MEMORY

- 1, 2, 4, 5, 8MB RAM (Random Access Memory)
- 256Kbytes of ROM (Read-Only Memory)
- 256 bytes of settable parameter memory with built-in battery backup

DISPLAY

- Built-in, 9-inch diagonal, 512 by 342 pixel, black and white monochrome monitor (no gray scale)

KEYBOARD (not included)

- Apple Keyboard or Apple Extended Keyboard can be connected through the Apple Desktop Bus port

MOUSE

- Apple Desktop Bus Mouse (ADB) mechanical tracking, optical shaft or contact encoding 100 +/- 10 pulses per inch (3.94 +/- 0.39 pulse per mm) of travel

DISK DRIVE

- One Apple SuperDrive (formerly Apple FDHD) 1.4MB high-density internal drive. Only one internal floppy drive is supported; the unit ships with the Apple SuperDrive, but the logic board also supports an 800K drive.

- External connector for 800K

HARD DISK DRIVE

- A 3.5" 40MB or 80MB hard drive is standard.

INTERFACES

- Two Apple Desktop Bus (ADB) connectors for keyboard, mouse, and low-speed input devices
- 030 Direct Slot supporting full 32-bit address and data lines through a 120-pin Euro-DIN connector
- Two RS-232/RS-422 serial ports, 230.4K baud maximum (up to 0.920 Mbit per second, if clocked externally)
- SCSI interface
- Stereo sound port for external audio amplifier

SOUND GENERATION

- Apple Sound Chip (ASC) including 4-voice, wave-table synthesis and stereo sampling generator, capable of driving stereo mini-phono jack headphones or stereo equipment
- Mixed stereo monophonic sound output through internal speaker

ELECTRICAL REQUIRMENTS

- Line voltage: 85 to 270 volts AC
- Line frequency: 47 to 63 hertz
- Maximum power consumption: 76 watts continuous, 99 watts maximum for 15 seconds 10% duty cycle

ENVIRONMENTAL REQUIREMENTS

- Operating temperature: 50 TO 95 degrees F (10 TO 35 degrees C)
- Storage temperature: -40 TO 116.6 degrees F
- Relative humidity: 5% to 95% (noncondensing)
- Altitude: 0 to 10,000 ft (0 to 3048 m)
- Fan: 10 CFM radial

SAFETY AND EMI QUALIFICATIONS

- FCC part 15 Class B Computing Devices
- UL 11 Office Appliances and Business Equipment

SIZE AND WEIGHT

Main Unit

- Height: 13.6 inches (345.4 mm)
- Width: 9.6 inches (243.8 mm)
- Depth: 10.9 inches (276.2 mm)
- Weight: 19.5 lb. (9.75 kg)

Apple Keyboard (not included)

- Height: 1.8 inches (44.5 mm)
- Width: 16.5 inches (418.3 mm)
- Depth: 5.6 inches (142.0 mm)
- Weight: 2 lb. 2oz. (1 kg)

Apple Extended Keyboard (not included)

- Height: 2.3 inches (56.4 mm)
- Width: 19.1 inches (486 mm)
- Depth: 7.4 inches (188 mm)
- Weight: 3lb. 10 oz. (1.6 kg)

Apple Mouse (ADB)

- Height: 1.1 inches (27.9 mm)
- Width: 2.1 inches (53.3 mm)
- Depth: 3.8 inches (96.5 mm)
- Weight: 6 oz. (.175 kg)

Article Change History

08/22/91 -Corrected, changed FDHD to SuperDrive
09/16/92 - Reviewed, for technical accuracy.
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