Macintosh IIci: Specifications (Discontinued 2/93)

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TOPIC --

Following are the technical specifications for the Macintosh IIci.

DISCUSSION ---

CENTRAL PROCESSING UNIT (CPU)
- Microprocessor : 25 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, 8 MB RAM (Random Access Memory)
  80 nanosecond, Fast Page Mode DRAM
- RAM Parity error detection (Optional, Special Order)
- 512Kbytes of ROM (Read-Only Memory)
- 256 bytes of settable parameter memory with built-in battery backup

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 1.4 MB high-density internal Apple SuperDrive (formerly Apple FDHD).
  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 or 1.4MB external floppy

HARD DISK DRIVE
- 3.5" 40MB or 80MB hard drive configurations are available.

INTERFACES
- Two Apple Desktop Bus (ADB) connectors for keyboard, mouse, and
  low-speed input devices.
- Three NuBus Slots supporting full 32-bit address and data lines
  through a 96-pin Euro-DIN connector.
- Cache Connector supporting an optional high-speed RAM cache card.
  The connector is a 120-pin Euro-DIN connector.
  (* NOTE: This connector IS NOT compatible with 030 Direct cards *)
  (* for the SE/30. Installing one of these cards in this slot can *)
  (* result in damage to the card and/or the logic board.   *)
  (* As of September 1, 1991 the Apple Macintosh IIci Cache Card   *)
  (* is included with all Macintosh IIci computers.   *)
- Two RS-232/RS-422 serial ports, 230.4K baud maximum
  (up to 0.920 Mbit per second if clocked externally).
- Built-In Video DB-15 pin connector, supporting the following monitors:
  + Apple High-Resolution Monochrome Monitor at 2, 4, 16 and 256 grays
  + AppleColor High-Resolution RGB Monitor at 2, 4, 16 and 256 colors/grays
  + Apple Macintosh Portrait Display at 2, 4 and 16 grays
- 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: 100 to 240 volts AC, RMS automatically configured
- Line frequency: 50 to 60 hertz singe phase
- Maximum power consumption: 130 watts maximum, 90 watts maximum continuous

ENVIRONMENTAL REQUIREMENTS
- Operating temperature: 50 TO 104 degrees F (10 TO 40 C)
- Storage temperature: -40 TO 116.6 degrees F
- Relative humidity: 5% to 95% (non-condensing)
- Altitude: 0 to 10,000 ft (0 to 3048 m)
- Fan: 17 CFM radial

SAFETY AND EMI QUALIFICATIONS
- FCC part 15 Class B Computing Devices
- UL 478 Electronic Data Processing Equipment
- CSA (Canadian Standards Assn.) 220 Information Processing and
  Business Equipment

SIZE AND WEIGHT
- Main Unit
    Height: 5.5 inches (140 mm)

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   Width: 11.9 inches (302 mm)
   Depth: 14.4 inches (365 mm)
   Weight: 13 lbs. 10 oz. (6.2 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 lbs. 2 oz. (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: 3 lbs. 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)
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