



# Tech Info Library

## Macintosh IIcx: Specifications (Discontinued)

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TOPIC -----

Following are the technical specifications for the Macintosh IIcx.

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, 8 MB RAM (Random Access Memory)
- 256Kbytes 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

- 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.
- Three NuBus Slots supporting full 32-bit address and data lines through a 96-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: 100 to 240 volts AC, RMS automatically configured
- Line frequency: 50 to 60 hertz single phase
- Maximum power consumption: 130 watts maximum, 90 watts maximum continuous

#### ENVIRONMENTAL REQUIREMENTS

- Operating temperature: 50 degrees TO 104 degrees F  
(10 degrees TO 40 degrees C)
- Storage temperature: -40 degrees 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)
  - 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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