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Macintosh PowerBook 190cs/66: Technical Specifications (9/96)

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TOPIC -----

This article contains a list of technical specifications for the Macintosh PowerBook 190cs/66 computer.

DISCUSSION -----

Microprocessor

- 66/33-MHz Motorola 68LC040

Memory

- 4 MB or 8 MB* of RAM, expandable to 36 MB or 40 MB
[Note: The 4 MB or 8 MB (depending on the model) from Apple is soldered to the logic board. There is one RAM card expansion slot.]

NOTE:

- * The PowerBook 190cs/8/500 configuration was discontinued in 9/96.

Storage

- Built-in removable Apple SuperDrive 1.4 MB floppy disk drive, which uses high-density floppy disks and reads, writes, and formats Macintosh, Windows, MS-DOS, OS/2, and ProDOS disks
- Internal 500 MB hard disk drive
- One expansion bay for third-party solutions such as an additional hard disk drive or magneto-optical drive

Display

- 10.4-in. (diagonal) backlit, dual-scan, color display
- Resolution: 640 by 480 pixels with 256 colors

PC Card slots (PCMCIA)

- Two PC Card slots that can accommodate two Type I or II PC Cards or one Type III PC Card
- Lets you add industry-standard PC Cards such as Ethernet networking, a

wired or wireless modem, storage, or other capabilities

Expansion bay

- IDE connector for third-party solutions such as an additional hard drive, a magneto-optical drive, and other devices
- Power lines for connection of an internal AC adapter and other third-party solutions

Battery

- Nickel-metal-hydride battery provides 2.5 to 4.5 hours of use before recharge
- Nickel-metal-hydride battery recharges in 2.5 hours while computer is shut down, in sleep mode, or running
- PowerBook Control Strip lets you monitor time remaining, charge status, and battery usage

Ports

- One Apple Desktop Bus (ADB) port
- One serial (RS-422) port
- One SCSI port for connecting as many as six external devices
- One power adapter port
- Stereo sound output port
- Video output port (optional)

Networking

- Serial/LocalTalk port for AppleTalk connections to networks and printers
- Ethernet networking through PC Cards
- Optional infrared technology allows for ultra-easy file sharing through infrared technology—without cable connections or time-consuming setup; supports AppleTalk protocol

Built-in stereo sound

- 16-bit, CD-quality stereo sound capable of driving headphones or external speakers
- Built-in speaker and integrated microphone

Security

- Includes a security slot that secures the system, battery, and expansion bay (requires a third-party accessory)
- Includes password protection software

Keyboard and improved Apple trackpad

- Built-in, full-size keyboard with 76 (U.S.) or 77 (ISO) keys, including 12 function keys and integrated palm rest
- Power button on keyboard
- Solid-state improved Apple trackpad lets you use the trackpad to select,

open or close, and drag without using the trackpad button

Upgrades

- 100-MHz PowerPC 603e
- 10.4-in. active-matrix, color display (requires PowerPC upgrade)
- Infrared technology for easy file sharing
- Video-out to support external displays—compatible with most Apple VGA, and SVGA monitors (Apple 8-bit solution available; third-party solution for greater bit depths)

Disability Access

- System software includes CloseView and Easy Access, and provides the ability to substitute visual cue for beep

Electrical Requirements

- Line voltage: 100 to 220 volts AC
- Frequency: 50 to 60 Hz

Environmental Requirements

- Operating temperature: 41 degrees to 95 degrees F (5 degrees to 35 degrees C)
- Storage temperature: 14 degrees to 140 degrees F (-10 degrees to 60 degrees C)
- Relative humidity: 20% to 80% noncondensing
- Operating altitude: 0 to 10,000 ft. (0 to 3,048 m)
- Maximum storage altitude: 15,000 ft. (4,722 m)

Size And Weight

- Height: 2.2 in. (5.3 cm)
- Width: 11.5 in. (29.2 cm)
- Depth: 8.5 in. (21.6 cm)
- Weight: 6.3 lb. (2.9 kg)

Article Change History:

- 11 Sep 1996 - Added information about discontinued configuration.
- 05 Oct 1995 - Updated battery information.
- 25 Aug 1995 - Reviewed for technical accuracy.

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