



Tech Info Library

Macintosh PowerBook 5300c/100: Technical Specifications (9/96)

Article Created: 18 August 1995

Article Reviewed/Updated: 11 September 1996

TOPIC -----

This article contains a list of technical specifications for the Macintosh PowerBook 5300c/100 computer.

DISCUSSION -----

Microprocessor

- 100-MHz PowerPC 603e

Memory

- 8 MB* or 16 MB of RAM, expandable to 64 MB
[Note: The 8 MB or 16 MB (depending on the model) from Apple is soldered onto the logic board. There is one RAM card expansion slot for expanding memory.]

NOTE:

- * The PowerBook 5300c/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** or 750 MB hard disk drive
- Expansion bay for third-party solutions such as an additional hard disk drive or magneto-optical drive (PC Card storage tray included in box may be inserted into this bay to reduce weight by 0.4 lb.)

NOTE:

- ** The PowerBook 5300c/8/500 configuration was discontinued in 9/96.

Display

- 10.4-in. (diagonal), backlit, active-matrix, color display
- Resolution: 640 by 480 pixels
- Comes in two configurations: one with 512K of VRAM, supporting 256 colors; the other with 1 MB of VRAM, supporting thousands of colors

- Black matrix screen reduces glare, clearly defines colors, and improves contrast

Battery

- Nickel-Metal-Hydride battery provides 2.5 - 4 hours of use before recharge
- Battery recharges in 2 hours while computer is shut down or in sleep mode; 4 hours while running
- PowerBook Control Strip lets you monitor time remaining, charge status, and battery usage

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 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

Ports

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

Networking

- Serial/LocalTalk port for AppleTalk connections to networks and printers
- Ethernet networking through PC Cards
- 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
- Digital-to-analog conversion sampled at 44.1, 22.05, or 11.025 kHz
- 16 bit, audio line-in for recording

Video Output

- 8-bit video output port to support external color displays—compatible with most Apple, VGA, and SVGA monitors (upgradable to greater bit depths through third-party solutions)

Security

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

Keyboard and 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 Apple trackpad provides precise cursor control in response to the movement of the user's fingertip over its surface; sensing of movement and acceleration is easily adjustable through a control panel

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 240 volts AC
- Frequency: 50 to 60 Hz

ADB power requirements

- Maximum current draw for all ADB devices: 200 mA

Environmental requirements

- Operating temperature: 41 degrees to 95 degrees F (5 degrees to 35 degrees C)
- Storage temperature: -13 degrees to 140 degrees F (-25 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: 6.2 lb. (2.8 kg)

Article Change History:

- 01 Aug 1996 - Added keyword.
- 04 Oct 1995 - Updated battery information.
- 25 Aug 1995 - Reviewed for technical accuracy.

Copyright 1995-96, Apple Computer, Inc.

Keywords: kppc, kpbook, specsht, 5300

=====

This information is from the Apple Technical Information Library.

19960912 07:58:46.00

Tech Info Library Article Number: 18428