



# Tech Info Library

## Macintosh PowerBook 5300/100: Technical Specs (Discontinued)

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TOPIC -----

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

DISCUSSION -----

### Microprocessor

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- 100-MHz PowerPC 603e

### Memory

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- 8 MB of RAM, expandable to 64 MB  
(Note: The 8 MB from Apple is soldered onto the logic board. There is one RAM card expansion slot for expanding memory.)

### Storage

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- 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
- 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.)

### Display

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- 9.5-in. (diagonal) backlit, passive-matrix display
- Resolution: 640 by 480 pixels with 16 levels of gray

### Battery

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- Nickel-Metal-Hydride battery provides 2.5 to 4.5 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 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

## 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

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

#### Electrical requirements

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- Line voltage: 100 to 240 volts AC
- Frequency: 50 to 60 Hz

#### ADB power requirements

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- Maximum current draw for all ADB devices: 200 mA

#### Environmental requirements

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- 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

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- Height: 2.0 in. (5.1 cm)
- Width: 11.5 in. (29.2 cm)
- Depth: 8.5 in. (21.6 cm)
- Weight: 5.9 lb. (2.7 kg)

#### Article Change History:

- 26 Aug 1996 - Changed title.
- 01 Aug 1996 - Added keyword.
- 04 Oct 1995 - Updated battery information.

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