



# Technical Information

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*Specifications for Macintosh PowerBook 5300 series computers*

# Technical Information

## General specifications

### Processor

- PowerPC 603e™ at 100 or 117 megahertz (MHz) clock frequency, depending on the Macintosh PowerBook model you have

### Memory

- 8, 16, or 32 megabytes (MB) low power dynamic random-access memory (DRAM), expandable to 64 MB
- 4 MB read-only memory (ROM)

### Disk drives

- 500 MB, 750 MB, or 1.1 gigabyte (GB) 2.5" hard drive (Hard drive sizes may vary, depending on the model you have.)
- Removable 1.44 MB floppy disk drive (in the expansion bay), reads and writes Macintosh 800K and 1.4 MB floppy disks, as well as Windows, DOS, and OS/2 720K and 1.44 MB floppy disks

### Video display

- *Macintosh PowerBook 5300*  
9.5" diagonal, 640 x 480 backlit supertwist (FSTN), 16 grays
- *Macintosh PowerBook 5300cs*  
10.4" diagonal, 640 x 480 dual-scan passive matrix (FSTN), 256 colors
- *Macintosh PowerBook 5300c*  
10.4" diagonal, 640 x 480 active matrix (CTFT), 256 or thousands of colors, depending on the model you have
- *Macintosh PowerBook 5300ce*  
10.4" diagonal, 800 x 600 active matrix (SVGA), thousands of colors

## **Battery**

- Rechargeable nickel-metal-hydride (NiMH) battery provides 2.5–5 hours of operation, depending on battery-saving features used and computer configuration. You may get more than 5 hours of work time from your battery if you use advanced power management capabilities like a RAM disk.

## **Backup battery**

- 30 milliampere (mA) rechargeable lithium battery for calendar/clock maintenance, also backs up the contents of RAM for a few minutes while you change batteries when your Macintosh PowerBook is in sleep mode

## **Sound**

- 16-bit stereo sound in and out supporting 44.1 kilohertz (kHz) (“CD quality” sound), 22 kHz, and 11 kHz sample rates
- Speaker housed in the PowerBook’s display

## **Interfaces**

- Two PC Card (PCMCIA card) slots support either two Type I or Type II cards, or one Type III card
- Expansion bay slot accepts a removable expansion bay module, including the 1.44 MB floppy disk drive, the PC Card storage module, or other optional modules
- Built-in infrared
- Apple Desktop Bus (ADB) port for keyboard, mouse or other input devices using a low-speed, synchronous serial bus
- Serial port for printers, modems, LocalTalk network, or other serial devices (RS-422)
- SCSI port (HDI-30 connector) for hard disk drives, CD-ROM drives, scanners, printers, and other devices; also supports PowerBook SCSI disk mode

- Sound output port for external audio amplifier/powered speakers, stereo mini-jack, 3-connector, standard 3.5 mm stereo miniplug
- Sound input port for stereo sound input (line level), stereo mini-jack, 3-connector, standard 3.5 mm stereo miniplug
- Video port (micro DV-14) for 8-bit/256- color video output to most Apple monitors, VGA monitors (640 x 480), and SVGA monitors (800 x 600)

#### **Power adapter**

- *Input:* AC 100-240 volts (V), 50/60 hertz (Hz)
- *Output:* DC 24 V, 1.875 A nominally

#### **Keyboard**

- 3.0 mm travel keyboard  
19 mm vertical pitch, 19 mm horizontal pitch

#### **Trackpad**

- Integrated, solid-state trackpad provides precise cursor movement

#### **Weight**

- *Macintosh PowerBook 5300* and *Macintosh PowerBook 5300cs* with the floppy drive expansion bay module: 2.8 kg (6.1 lb.)
- *Macintosh PowerBook 5300c* and *Macintosh PowerBook 5300ce* with the floppy drive expansion bay module: 2.9 kg (6.4 lb.)

(The weight is .4 lb less with the PC Card storage module inserted.)

#### **Dimensions**

- 292 mm x 178 mm x 51mm (11.5 in. x 7.0 in. x 2.0 in.)

#### **Apple Desktop Bus (ADB) power requirements**

- Maximum current draw for all ADB devices is 200 mA

*Note:* The maximum number of ADB devices recommended in a daisy chain connected to the ADB port is three.

## **RAM configurations**

All models ship with at least 8 MB of RAM on the main logic board (some models ship with more). For most models, additional RAM may be installed by means of a RAM expansion card. Additional RAM cards are available from any Apple-authorized dealer.

RAM expansion cards must use RAM chips rated at 70 ns access time or faster, and must have TSOP low-profile RAM chips only. Installing a card with high-profile chips may damage your computer.

## **Microphone/Sound**

The internal microphone is an omnidirectional electret type.

An external audio source may be used with these PowerBooks if it generates line level output. To input sound from audio equipment with line level output, you need the appropriate adapters which are available from most electronics stores.

*Note:* The Apple Omni-microphone and Apple PlainTalk microphones are not compatible with this computer.

## **Environment**

- Operating temperature: 5° C to 35° C (41° F to 95° F)

### **Storage temperature**

- -25° C to 60° C (-13° F to 140° F)

### **Relative humidity**

- 20% to 80% noncondensing

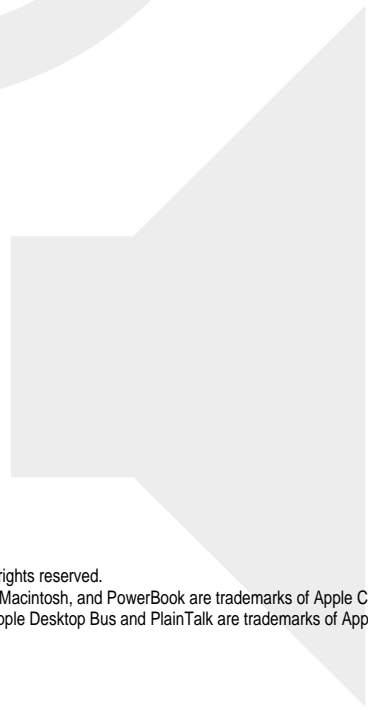
### **Altitude**

- Operating: 3048 m (10,000 ft.) maximum
- Shipping (non-operating): 4572 m (15,000 ft.) maximum

## Options and accessories

The following are available as options and accessories for your Macintosh PowerBook computer:

Item	Part number
Macintosh PowerBook Power Adapter for Macintosh PowerBook 5300 series and 190 series	M3747LL/A
Macintosh PowerBook 8MB RAM Expansion Card for Macintosh PowerBook 5300 series and 190 series	M3750LL/A
Macintosh PowerBook 10.4" Active-Matrix Color Display Upgrade Kit for Macintosh PowerBook 5300 series	M3746LL/A
Macintosh PowerBook Video Adapter Cable	M3927LL/A
Apple HDI-30 SCSI Disk Adapter for SCSI disk mode	M2539LL/A
Apple SCSI Peripheral Interface Cable for SCSI to SCSI connection	M0207
Apple HDI-30 SCSI System Cable for PowerBook to SCSI connection	M2538LL/A



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