



# Tech Info Library

## PowerBook 165: Technical Specifications (3/95)

Article Created: 16 August 1993

Article Reviewed/Updated: 22 March 1995

TOPIC -----

This article provides the technical specifications for the PowerBook 165 computer.

DISCUSSION -----

### Microprocessor

-----

- Motorola 68030, running at 33 MHz

### Memory

-----

- Comes with 4 MB of pseudostatic RAM (PSRAM)
- Expands to 14 MB of RAM with the addition of third-party PSRAM cards

### Disk storage

-----

- One built-in 1.4-MB Apple SuperDrive disk drive that uses high-density floppy disks and reads, writes, and formats Macintosh, MS-DOS, OS/2, and ProDOS disks
- One internal 80 or 160 MB hard disk

### Display

-----

- 10-in. (254-mm) diagonal
- Backlit supertwist passive-matrix display, 640 by 400 pixels
- 16 shades of gray
- Two video-out modes:
  - Video mirroring for simultaneous display of the same image on two screens
  - Dual display for full use of both screens with different images or different applications at the same time
- Built-in support for up to 256 colors on a variety of external displays
- External display options
  - Macintosh 12-inch Monochrome Display
  - Macintosh 12-inch RGB Display
  - AppleColor High-Resolution RGB Display
  - Macintosh Color Display (14 in.)

- Macintosh 16-inch Color Display
- Macintosh Portrait Display (15 in.)
- Some VGA and SVGA monitors

#### Battery

-----

- Nickel-cadmium which provides 2.5 to 3 hours of computer use before recharging is necessary.

#### Keyboard

-----

- Built-in keyboard with standard Macintosh layout
- Two-level tilt adjustment

#### Trackball

-----

- 30-mm (approx. 1.25-in.) diameter, two buttons

#### Clock/calendar

-----

- CMOS custom-integrated circuit with long-life lithium battery

#### Microphone

-----

- Built-in omnidirectional; output voltage of 4 mV, peak-to-peak, at normal volume

#### Interfaces

-----

- One power adapter port
- One Apple Desktop Bus (ADB) port for keyboard, mouse, and other input devices
- Two RS-422 serial ports for LocalTalk networking, printers, modems, and other devices
- One HDI-30 SCSI port for hard disks, scanners, CD-ROM drives, and other devices
- One slot for optional modem
- One video-out port that supports 8-bit density and 256 colors
- One sound-out port for external audio amplifier or headphones
- One sound-in port
- Security slot for use with third-party equipment to lock the computer

#### Modem

-----

- Optional internal PowerBook Express Modem; sends and receives data at 14,400 bps and sends and receives faxes at 9600 bps. Includes Express Fax software.
- Optional internal 2400-bps modem; sends faxes at 9600 bps. Includes fax-send software.

#### Sound generator

-----

- Apple Sound Chip provides 8-bit sound and is capable of driving stereo headphones or other stereo equipment. These devices connect to the Apple Sound Chip through the sound port.

#### Sound input

- 8-bit sound, sampled at 11 or 22 kHz

#### Disability access

- CloseView, Easy Access, and visible-beep software are included with system software. These built-in third-party options provide alternative means of input and output for people with disabilities.

#### ADB power requirements

- Maximum current draw for all ADB devices is 200 mA (milliamps). A maximum of three ADB devices is recommended.

#### Power requirements

- Line voltage: 110 to 220 V
- Frequency: 50 to 60 Hz

#### Environmental requirements

- Operating temperature: 50 F to 104 F (10 C to 40 C)
- Storage temperature: -40 F to +149 F (-40 C to +65 C)
- Relative humidity: 20% to 80% noncondensing
- Operating altitude: 0 to 10,000 ft. (0 to 3048 m)
- Maximum storage altitude: 15,000 ft. (4722 m)

#### Size and weight

- Height: 2.25 in. (5.7 cm)
- Width: 11.25 in. (28.6 cm)
- Depth: 9.3 in. (23.6 cm)
- Weight: 6.8 lb. (3.03 kg)

#### Article Change History

22 Mar 1995 - Added letter "s" in title.

26 Aug 1993 - Revised article with correct storage temperature

#### Support Information Services

Copyright 1993-95, Apple Computer, Inc.

Keywords: kpbook,specsht

=====  
This information is from the Apple Technical Information Library.

19960215 11:05:19.00

Tech Info Library Article Number: 12901