Tech Info Library

PowerBook 165: Technical Specifications (3/95)

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Revised:        3/22/95
Security:       Everyone


PowerBook 165: Technical Specifications (3/95)


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TOPIC -------------------------------------------------------------

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

DISCUSSION --------------------------------------------------------

Microprocessor
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• Motorola 68030, running at 33 MHz

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

Disk storage
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• 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
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• 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
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- 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

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