



# Tech Info Library

## PowerBook 145B: Specifications (6/93)

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TOPIC -----

This article provides technical specifications for the PowerBook 145B computer.

DISCUSSION -----

### Microprocessor

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- 68030, clock speed 25 MHz
- 32-bit Address Bus, 32-bit Data Bus

### Memory

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- 4MB pseudostatic RAM (PSRAM) built-in (on the "daughterboard").
- Expandable to 6MB or 8MB RAM with installation of a 2MB or 4MB PSRAM expansion card in the RAM expansion slot. RAM designed for the PowerBook 100, 140, 145, and 170 works in the PowerBook 145B.

Note: The PowerBook 145B's RAM expansion slot can accept a 6MB expansion card, for a total of 10MB, but only 8MB will be recognized and used.

### Disk Storage

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- One built-in 1.4MB SuperDrive uses high-density floppy disks; it reads, writes, and formats Macintosh, MS-DOS, OS/2, and ProDOS disks.
- One internal 40MB or 80MB hard disk

### System Software

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Ships with System 7.1. Requires System 7.0 or later.

Note: With System 7.0 or 7.0.1, the Finder's "About This Macintosh..." message reports "PowerBook 145" rather than PowerBook 145B.

### Display

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- 32K VRAM supports one-bit (monochrome) video.

- 10 inch (254 mm) diagonal
- Backlit Supertwist passive-matrix liquid crystal display
- 640 by 400 pixels

#### Battery

- NiCad, 2.9 ampere-hours, provides 2 to 3 hours of use before recharging is necessary
- Recharge time: 100% recharged after 5 hours; 80% recharged after 3 hours
- Uses same battery and recharger as PowerBook 140, 145, and 170.

#### Keyboard

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

#### Trackball

- Dual-button trackball, 30 mm diameter,

#### Clock/Calendar

- CMOS custom chip with long-life lithium battery

#### Interfaces

- One Apple Desktop Bus (ADB) port for keyboard, mouse, and other devices using a low-speed, synchronous serial bus.
- Two RS-422 serial ports for LocalTalk networking, printers, modems, and other devices. One of these ports is disabled when internal modem is used.
- One HDI-30 SCSI port for hard disks, scanners, CD-ROM drives, and other devices.
- One sound output port for external audio amplifier.
- One sound-in port.

#### Modem

- Optional internal 2400-baud modem with fax send at 9600 baud; includes fax send software.
- Error correction and compression: MNP 4, 5 and V.42, V.42bis

#### Sound Generator

- Apple Sound Chip provides 8-bit sound, capable of driving stereo headphones or other stereo equipment through the sound port.

#### Sound Input

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

#### Disability Access

- CloseView, Easy Access, and visible beep included with system software.

These built-in solutions and third-party options provide alternative input and output devices for people with disability.

#### ADB Power Requirements

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

#### Electrical Requirements

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- AC Power Adapter II is included  
(do not use any power adapter not designed for PowerBook)
- Line voltage: AC 100 to 240
- Frequency: 50 to 60 Hz

#### Environmental Requirements

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- Operating temperature: 50° F to 104° F (10 to 40° C)
- Storage Temperature: -40° F to 149° F (-40 to 65° C )
- Relative humidity: 20% to 80% noncondensing
- Operating altitude: max. 10,000 ft. (3048 m) This limit does not apply to pressurized aircraft cabin.
- Storage altitude: max. 15,000 ft. (4722 m)

#### Size and Weight

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

#### Noise Level

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Noise free except for floppy or hard disk use.

#### Article Change History

26 August 1993 - Revised article with correct storage temperature

#### Support Information Services

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