Technical Information

For Macintosh PowerBook 145B

Specifications

Processor
- 68030
  25 MHz clock frequency

Memory
- 4 MB pseudostatic RAM, expandable to 8 MB
  1 MB ROM

Disk drives
- Internal 40 or 80 MB hard disk drive
  Built-in 1.4 MB floppy disk drive

Video display
- 640 x 400 backlit Supertwist (FSTN), monochrome

Main battery
- Rechargeable nickel cadmium battery
  2–3 hours of operation

Backup battery
- 30 mAh rechargeable lithium battery for clock chip

▲ **Warning:** Do not change the lithium battery yourself. Doing so could be hazardous and will void the warranty on your computer. See your authorized Apple dealer or service provider for assistance. ▲

Sound generator
- 4-voice sound with 8-bit digital-analog conversion recording at 11 kHz or 22 kHz sample rate

Interfaces

- Apple Desktop Bus (ADB) port for keyboard, mouse, and other input devices using a low-speed, synchronous serial bus
- Two serial ports for printers, modems, and other serial devices (RS-422)
- SCSI port for hard disk drives, scanners, printers, and other devices (HDI-30 connector)
- Sound output port for external audio amplifier
- Sound input port for monaural sound input

Power adapter

- Input: AC100–240 V, 50/60 Hz
- Output: DC 7.5 V, 2.0 A
- ❖ *Note:* The PowerBook 145B can be used at any input voltage within the range above, with no effect on performance. ❖

Clock/calendar

- CMOS custom chip with long-life lithium battery

Keyboard

- 3.0 mm travel keyboard
  18 mm vertical pitch, 18.63 mm horizontal pitch

Trackball

- 30 mm diameter

Modem (optional)

- 2400-bps modem with fax send capability
- Supports MNP error correction and data compression classes 4 and 5, as well as CCITT v.42 and v.42bis

Weight

- 3.1 kg (6.8 lb.)

Dimensions

- 286 mm x 236 mm x 57 mm (11.25" x 9.3" x 2.25")

Apple Desktop Bus 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

■ The memory expansion slot can accept up to 4 MB. RAM chips must be rated at 100 nanoseconds access time or faster.

▲ **Warning:** Do not attempt to install additional RAM yourself. Doing so will void the warranty on your computer. See your authorized Apple dealer or service provider. ▲

Microphone/Sound (optional)

■ The external microphone connector is intended for an omnidirectional electret microphone that is powered by the computer. Microphone output voltage is 4 millivolts (mV) peak to peak at normal speaking volume.

❖ *Note:* You can also use adapters to input sound from audio equipment with line level outputs, but the line level signals must be attenuated before reaching the computer's sound input port. An attenuation of 500:1 is recommended when inputting line level signals. Appropriate microphones, attenuation cables and adapters are available from most electronics stores. ❖

Environment

Operating temperature

- 10°C to 40°C (50°F to 104°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 PowerBook computer.

Item	Part number
Macintosh PowerBook 2 MB Memory Expansion Kit	M1032
Macintosh PowerBook 4 MB Memory Expansion Kit	M1033
Macintosh PowerBook Battery Recharger	M1027
Macintosh PowerBook Rechargeable Battery	M5545
Macintosh PowerBook AC Adapter	M4660
Macintosh PowerBook Fax/Data Modem (for US, Canada, and Japan)	M0970
Macintosh PowerBook Fax/Data Modem (for Europe, Australia, and some South American countries)	M0980
Apple HDI-30 SCSI System Cable	M2538
Apple Microphone	M1481