Tech Info Library

PowerBook 180c: Specifications (Discontinued)

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Revised:        3/22/95
Security:       Everyone
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Article Created: 7 June 1993
Article Reviewed/Updated: 22 March 1995

TOPIC ---

This article provides technical specifications for the PowerBook 180c computer,
which was discountinued by Apple on 14 March 1994.

DISCUSSION --

Microprocessor

• 68030, clock speed 33 MHz.
• 68882 Math Coprocessor, 33 MHz.
• 32-bit Address Bus, 32-bit Data Bus

RAM

• 4MB pseudostatic RAM on logic board.
• Expandable to 14MB with expansion PSRAM cards
  (2, 4, 6, 8, and 10MB capacities).
• Contents of RAM saved in Sleep mode, lost at shutdown

Storage

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

System Software

• Requires System 7.1 or later
• System Enabler specifically for PowerBook 180c

Display

- 8.4 in. (226 mm) diagonal backlit color active-matrix LCD
- 640 x 480 pixels
- Up to 256 colors from a palette of 4096 choices
- 512K VRAM
- External display port (mini-15) supports 8-bit video
- External display options:
  Macintosh 12" Monochrome Display
  Macintosh 12" RGB Display
  AppleColor High Resolution RGB Display
  Macintosh Color Display
  Macintosh 16" Color Display
  Macintosh Portrait Display
  Some VGA and SVGA monitors
- Two video-out modes:
  - Video mirroring for simultaneous display of the same image on two
    screens.
  - Dual display for full use of both screens.

Battery

- NiCad (nickel-cadmium), provides 1.5 to 2 hours of use before recharging
  is necessary. (AC power adapter is included.)

Keyboard and Trackball

- Built-in keyboard with standard Macintosh layout and two-level tilt
  adjustment.
- Dual-button trackball, 30 mm diameter.

Clock/Calendar

- CMOS custom chip with long-life lithium battery.

Microphone

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

Interfaces

- One Apple Desktop Bus (ADB) port for keyboard, mouse, and other 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, supporting 8 bit density and 256 colors.
- One stereo sound output port for external audio amplifier or headphones.
- One mono sound-in port.
- Security slot for use with third-party equipment to lock the computer.
- SCSI Disk Mode with optional SCSI Disk Adapter

Modem

- Optional internal PowerBook Express Modem; 14,400 bits per second (bps) data with fax send and receive at 9600 bps; includes Express Fax software.
- Optional internal 2400 bps modem with fax send at 9600 bps; includes fax send software.

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 disabilities.

ADB Power Requirements

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

Electrical Requirements

- Line voltage: 100 to 240 volts, 50 to 60 Hz

Environmental Requirements

- Operating temperature: 50 to 104° F (10 to 40° C)
- Storage Temperature: -40°F to +149°F (-40 to +65° C)
- Relative humidity: 20% to 80% noncondensing
- Altitude: Operating: 3048 m (10,000 ft.) maximum
Shipping (non-operating) 0 to 15,000 ft. (0 to 4,722 m)

Size and Weight

- Height: 2.34 in. (5.9 cm)
- Width: 11.25 in. (28.6 cm)
- Depth: 9.3 in. (23.6 cm)
- Weight: 7.1 lb. (3.2 kg)

Noise Level

Noise free except for disk drive use.

Article Change History:
22 Mar 1995 - Updated altitude information.
14 Mar 1994 - Added discontinued information to title on 14-Mar-94

26 Aug 1993 - Updated to reflect correct storage temperature

Support Information Services

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Tech Info Library Article Number:12225