PowerBook 180c

The sharpness and clarity of an active-matrix color display make the Apple PowerBook 180c the most appealing high-performance PowerBook computer. The PowerBook 180c gives you the processing speed you need to take maximum advantage of your color applications, and you get the flexibility to handle multiple tasks at one time—all in a package that's small enough to fit inside a briefcase.

Featuring a brilliant active-matrix display with 640- by 480-pixel resolution, the portable PowerBook 180c gives you 256 vivid colors. And you can even take advantage of a larger display when you're not on the go: just connect the PowerBook 180c to almost any Apple, VGA, or SuperVGA display, and expand your on-screen workspace.

The PowerBook 180c has the same features and options as the high-performance PowerBook 180. It takes advantage of a 68030 microprocessor running at 33 megahertz and a powerful math coprocessor to provide superior processing power for even the most demanding applications. And the PowerBook 180c can support up to 14 megabytes of RAM, so you can work with multiple applications simultaneously.

With the PowerBook 180c, you'll find all the connections you need to work anywhere—on the road, in a conference room, or at your desk. AppleTalk networking is built in, so you can connect to an AppleTalk network and receive electronic mail, have access to servers, or share files. And there are seven built-in ports for access to peripheral devices such as modems, scanners, and external storage drives.

Best of all, the PowerBook 180c is a Macintosh computer. It's easy to set up, a pleasure to use, and versatile enough to handle colorful graphics and multimedia applications as well as mainstream business programs.

PowerBook 180c

Ordering Information

PowerBook 180c 4/80
Order No. M7950LL/A
- PowerBook 180c computer with 4 MB of RAM, one built-in 1.4-MB Apple SuperDrive, and one internal 80-MB hard disk drive
- Battery and AC adapter
- Video-out cable
- System software version 7.1
- Complete setup, learning, and reference documentation
- Training software
- Limited warranty statement

PowerBook 180c 4/160
Order No. M7960LL/A
- PowerBook 180c computer with 4 MB of RAM, one built-in 1.4-MB Apple SuperDrive, and one internal 160-MB hard disk drive
- All software and accessories included with the PowerBook 180c 4/80

PowerBook 4-MB Memory Expansion Kit*
Order No. M4664LL/A

PowerBook Fax/Data Modem (U.S., Canada, Japan)
Order No. M0970LL/A
- 2400 bps data/9600 bps fax send

PowerBook Fax/Data Modem (International)
Order No. M0980**/A
- 2400 bps data/9600 bps fax send

PowerBook Express Modem Kit (U.S.)
Order No. M1366LL/A
- 14,400 bps data/9600 bps fax send/receive

PowerBook Express Modem Kit (International)
Order No. M1365**/A
- 14,400 bps data/9600 bps fax send/receive

PowerBook Rechargeable Battery
Order No. M5545LL/C

PowerBook AC Adapter
Order No. M4662LL/A

PowerBook Battery Recharger
Order No. M1027LL/A

Apple HDI-30 SCSI Disk Adapter
Order No. M2539LL/A

Apple HDI-30 SCSI System Cable
Order No. M2538LL/A

Dealer installation recommended

Technical Specifications

Microprocessor
- Motorola 68030, running at 33 MHz
- 68882 math coprocessor, 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 floppy 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
- 8.4-in. (226-mm) diagonal
- Backlit active-matrix liquid crystal display
- Built-in support for up to 256 colors from a palette of 4096 choices
- 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

External display options
- Macintosh 12-inch Monochrome Display
- Macintosh 12-inch RGB Display
- AppleColor High-Resolution RGB Monitor
- 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 1 to 2 hours of usage 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 chip with long-life lithium battery

Microphone
- Built-in omnidirectional; output voltage is 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-output supporting 8-bit density and 256 colors
- One sound-output port for external audio amplifier or headphones
- 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 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 built in. These 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 Ma (milliamps) (maximum of three ADB devices 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: –13° F to 140° F (–25° C to 60° C)
- Relative humidity: 20% to 80% noncondensing
- Operational altitude: 0 to 10,000 ft. (0 to 3048 m)
- Maximum altitude: 15,000 ft. (4722 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)