



# PowerBook Duo 250

## Features

### Power and speed

- 33-MHz 68030 microprocessor

### Memory

- 4MB of RAM, expandable to 24MB

### Display

- Bright, backlit, active-matrix display (640 by 400 pixels)
- Full-page-width, 9-in. diagonal; 16-level gray scale
- Adjustable brightness and contrast controls

### Battery life

- 2.5 to 6 hours on a single charge

### Expansion

- Built-in high-speed serial port for peripheral devices, including LocalTalk network and printers
- Slots for internal modem and RAM
- Docking connector
- Optional PowerBook Express Modem

## Features Built Into Every PowerBook

### Usability

- Runs thousands of Macintosh applications
- Easy to set up, learn, use, and expand

### System software

- System software version 7, with multitasking, file sharing, Balloon Help, TrueType fonts, and more

### Networking

- Built-in LocalTalk networking
- File sharing without a dedicated server

### Compatibility

- Reads and writes Macintosh, Windows, MS-DOS, OS/2, and ProDOS floppy disk formats with appropriate software

For users looking for light weight and small size in a powerful notebook computer, the Apple PowerBook Duo System is an excellent choice. The PowerBook Duo offers high-speed processors, active-matrix screens, large RAM expansion, and desktop expansion—features normally found only on much larger, heavier systems—all in a package that weighs less than 5 pounds.

The PowerBook Duo 250 is part of Apple's acclaimed PowerBook family of lightweight, compact, and flexible notebook computers. Featuring a 68030 microprocessor that runs at 33 megahertz, the PowerBook Duo 250 is more powerful than many desktop computers. It supports up to 24 megabytes of RAM, so you can work with multiple applications simultaneously.

The PowerBook Duo 250 is ready for computing wherever you go. It weighs just 4.2 pounds, so it's light enough to take anywhere. Its 9-inch (229-millimeter) backlit, active-matrix display has 16 levels of gray and provides the best screen image, performance, and contrast available in a gray-scale notebook computer—without adding bulk or weight.

With the PowerBook Duo 250, you'll also 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 all the resources in an AppleTalk network, such as electronic mail, printers, and file servers. Add a modem and AppleTalk Remote Access software to gain full access to AppleTalk networks practically anywhere in the world.

When you're back at the office, simply insert your PowerBook Duo notebook into a PowerBook Duo Dock, and you're instantly working with a complete Macintosh desktop system. There's nothing to reconfigure, no switches to flip, and no cables to connect.

The PowerBook Duo system lets you decide which capabilities you want, letting you invest in exactly the setup that suits your needs.







# PowerBook Duo 250

## Ordering Information

### PowerBook Duo 250 4/200

Order No. M1933LL/A

- PowerBook Duo 250 computer with 4MB of RAM and internal 200MB hard disk
- Battery and AC adapter
- System software version 7.1
- Complete setup, learning, and reference documentation
- Training software
- Limited warranty

### Optional PowerBook Duo 250 configuration

Order No. M4189LL/A

- PowerBook Duo 250 computer with 12MB of RAM and internal PowerBook Express Modem with Express Fax software

### PowerBook Duo 4MB Memory Expansion Kit\*

Order No. M4184LL/A

### PowerBook Duo 8MB Memory Expansion Kit\*

Order No. M4185LL/A

### PowerBook Duo Fax/Data Modem

(U.S., Canada, Japan)

Order No. M0970LL/A

### Express Modem for PowerBook Duo\*

(U.S., Canada, Japan)

Order No. M4186LL/A

### PowerBook Duo Rechargeable Battery

Order No. M1835LL/A

### PowerBook Duo AC Adapter

Order No. M4174LL/A

### PowerBook Duo Battery Recharger

Order No. M4176LL/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

### Memory

- Comes with 4MB of RAM
- Can be expanded to up to 24MB of RAM with PowerBook Duo 4MB or 8MB Memory Expansion Kits, or third-party memory expansion cards

### Disk drive

- One internal 200MB hard disk

### Display

- 9-in. (229-mm) diagonal
- Backlit, active-matrix display, 640 by 400 pixels
- 16 shades of gray

### Battery

- Nickel-metal-hydride High Capacity Type II battery provides 2.5 to 6 hours of computer use before recharging is necessary
- EverWatch Battery Saver technology

### Keyboard

- Built-in, 2.5-mm travel, 18-mm pitch
- Two-level tilt adjustment
- LED light when caps lock is engaged

### Trackball

- 19-mm diameter, dual-button trackball

### Clock/calendar

- CMOS custom-integrated circuit with long-life lithium battery

### Microphone

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

### Interfaces

- Power adapter port
- 152-pin PDS connector for connecting PowerBook Duo Dock, PowerBook Duo MiniDock, PowerBook Floppy Adapter, or other expansion devices
- RS-422 serial port for LocalTalk networking, printers, modems, and other devices
- Port for optional internal modem

### File-transfer options

- LocalTalk cables and System 7 file sharing
- Serial cable and System 7 file sharing
- Fax/data modem and AppleTalk Remote Access software
- Duo MiniDock with external Apple SuperDrive, SCSI Disk Adapter, and HDI-30 SCSI system cable
- Duo Dock internal Apple SuperDrive, optional internal hard drive, and HDI-30 SCSI system cable

### Docking options

- PowerBook Duo Dock
- PowerBook Duo MiniDock
- PowerBook Duo Floppy Adapter
- Docking solutions from third-party vendors

### Modem

- Optional internal PowerBook Express Modem; sends and receives data at 14,400 bps and sends and receives faxes at 9,600 bps. Includes Express Fax software.

### Subframe

- Magnesium subframe structural rigidity and heat sink

### Sound generator

- Built-in speaker
- Apple Sound Chip provides monophonic 8-bit sound and is capable of driving stereo headphones or other stereo equipment with the same signal supplied to both channels through optional PowerBook Duo Dock or PowerBook Duo MiniDock

### Sound input

- 4-voice sound with 8-bit analog-to-digital conversion recording at 11 or 22 kHz sampling rate

### 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.

### Electrical requirements

- Line voltage: 85 to 270 VAC, RMS single phase, automatically configured
- Frequency: 47 to 63 Hz, single phase
- Power: 25 W maximum

### ADB power requirements

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

### Size and weight

- Thickness: 1.4 in. (3.6 cm)
- Width: 10.9 in. (27.7 cm)
- Depth: 8.5 in. (21.6 cm)
- Weight: 4.2 lb. (1.9 kg)

### Operating environment

- Operating temperature: 50° to 104° F (10° C to 40° C)
- Storage temperature: -40° to 116° F (-40° C to 47° C)
- Relative humidity: 20% to 80% noncondensing
- Operating altitude: 0 to 10,000 ft. (0 to 3,048 m)
- Maximum storage altitude: 15,000 ft. (4,722 m)