



# PowerBook Duo 280

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## Features

### High performance

- Provides Macintosh Quadra performance in a subnotebook design
- Provides a 9-inch (diagonal), backlit, active-matrix gray-scale display for easy viewing
- Offers a large hard disk of 240MB for storing large amounts of data

### Broad expansion capabilities

- Includes slots for an internal modem and additional RAM (up to 40MB)
- Comes with the PowerBook Mobility Bundle, a combination of communications, power-management, information-management, and compatibility software designed to enhance mobile computing
- Comes with a built-in serial port for peripheral devices and networking
- Features a docking connector for connection to a PowerBook Duo Dock II, Duo Dock, or Duo MiniDock

### Award-winning design

- At just under 5 pounds, it is extremely compact and lightweight
- Gives you the flexibility to carry just what you need

## Features Built Into Every PowerBook

### Usability

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

### System software

- System 7 with multitasking, file sharing, 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 file formats

Users looking for the leading full-featured subnotebook computer need look no further. The Apple PowerBook Duo 280 offers exceptional performance, an active-matrix screen, and plenty of room for expansion—features normally found only on much larger, heavier systems—all in a package that weighs only slightly more than 4 pounds.

Featuring an advanced 66/33-megahertz 68LC040 processor, the PowerBook Duo 280 brings a new level of power and performance to mobile computing. It comes with a large hard disk, and its RAM can be easily expanded to up to 40 megabytes.

The PowerBook Duo 280 includes an integrated full-page-width, backlit, active-matrix display that supports 16 levels of gray—providing high-quality screen image, performance, and contrast—without adding bulk or weight. And to maximize the usefulness of all of its high-performance features, the PowerBook Duo 280 uses batteries and software designed to provide exceptional energy efficiency and long life.

With the PowerBook Duo 280, you can connect easily to a wide range of resources—no matter where you are. Its file-transfer options include System 7 file sharing, SCSI disk mode, and an external Apple SuperDrive floppy disk drive. There is also a configuration with the internal Express Modem for taking advantage of the built-in Apple Remote Access software. And if users want to take advantage of the features of a desktop system, they can use a docking product such as the PowerBook Duo Dock II or PowerBook MiniDock to connect to large displays, servers, printers, and network services.

The PowerBook Duo 280 even comes with the PowerBook Mobility Bundle, a combination of communications, power-management, information-management, and file-transfer software that makes this system the ideal solution for mobile computing. In short, the PowerBook Duo system lets you decide which capabilities you want, letting you invest in exactly the setup that suits your needs.





# PowerBook Duo 280

## Ordering Information

### PowerBook Duo 280 4/240

Order No. M2797LL/A

- PowerBook Duo 280 computer with 4MB of RAM and internal 240MB hard disk drive
- Battery and AC adapter
- System 7
- Complete setup, learning, and reference documentation
- Training software
- Limited warranty
- PowerBook Mobility Bundle

### PowerBook Duo 280 12/240/EM

Order No. M2798LL/A

- Same as Order No. M2797LL/A, but with 12MB of RAM and an Express Modem

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

Order No. M4184LL/A

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

Order No. M4185LL/A

### Express Modem for PowerBook Duo\*

(U.S., Canada, Japan)

Order No. M4186LL/A

### PowerBook Duo High-Capacity Type III Rechargeable Battery

Order No. M2780LL/A

### PowerBook Duo AC Adapter

Order No. M4174LL/B

### PowerBook Duo Battery Recharger

Order No. M4178LL/B

### Apple HDI-30 SCSI Disk Adapter

Order No. M2539LL/A

### Apple HDI-30 SCSI System Cable

Order No. M2538LL/A

\*Dealer installation recommended

Product specifications are subject to change. Check with your Apple reseller for the most current information about product specifications and configurations.

## Apple Computer, Inc.

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## Technical Specifications

### Microprocessor

- 66/33-MHz Motorola 68LC040 with integral memory management unit (MMU)  
(The two speeds refer to the internal processor and the bus interface, respectively)

### Memory

- 4MB of RAM, expandable to 40MB

### Storage

- Internal 240MB hard disk drive
- Optional external Apple SuperDrive 1.4MB floppy disk drive, which uses high-density floppy disks and reads, writes, and formats Macintosh, Windows, MS-DOS, OS/2, and ProDOS disks

### Display

- 9-in. (diagonal), backlit, active-matrix gray-scale display
- Resolution: 640 by 400 pixels with 16 levels of gray

### Battery

- Nickel-metal-hydride High Capacity Type II battery provides two to four hours of use before recharge
- EverWatch battery-saver technology

### Interfaces

- Power adapter port
- 152-pin processor-direct slot (PDS) connector for connecting PowerBook Duo Dock, PowerBook Duo MiniDock, PowerBook Floppy Adapter, or other third-party expansion devices
- Serial (RS-422) port
- Port for optional internal modem

### Docking options

- PowerBook Duo Dock or Duo Dock II
- PowerBook Duo MiniDock
- PowerBook Duo Floppy Adapter
- Solutions from third-party vendors

### File-transfer options

- LocalTalk cable and System 7 file sharing
- Serial cable and System 7 file sharing
- Express Modem and Apple Remote Access software
- Duo MiniDock with SCSI Disk Adapter and HDI-30 SCSI system cable
- Duo Dock internal Apple SuperDrive, optional internal hard disk drive
- Compact floppy adapter and external Apple SuperDrive

## Networking

- Serial/LocalTalk port for AppleTalk

## Modem

- Optional internal PowerBook Express Modem; sends and receives data and faxes at 14.4 Kbps
- Includes Express Fax software and OCR software (OCR software available in the United States and Europe only)

## Sound

- Apple Sound Chip provides monophonic 8-bit sound, 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
- Built-in speaker
- Built-in omnidirectional microphone; electrical output of 4 mV, peak-to-peak, at normal volume
- Sound input: 4-voice sound with 8-bit analog-to-digital conversion, recording at 11- or 22-kHz sampling rate

## Keyboard and trackball

- Built-in, 2.4-mm travel, 18-mm pitch keyboard
- Two-level tilt adjustment
- 19-mm diameter, dual-button trackball

## Disability access

- Easy Access and ability to substitute visual cue for beep included with system software. These built-in solutions and third-party options provide alternative input and output solutions for people with disabilities.

## Electrical requirements

- Line voltage: 100 to 240 volts AC
- Frequency: 50 to 60 Hz

## ADB power requirements

- Maximum current draw for all ADB devices: 100 mA with PowerBook Duo MiniDock or Floppy Adapter, or 500 mA with PowerBook Duo Dock or Duo Dock II (a maximum of three ADB devices is recommended)

## Environmental requirements

- Operating temperature: 50° to 104° F (10° to 40° C)
- Storage temperature: -13° to 140° F (-35° to 60° C)
- Relative humidity: 20% to 80% noncondensing
- Operating altitude: 1 to 10,000 ft. (0 to 3,048 m)
- Maximum storage altitude: 15,000 ft. (4,722 m)

## Size and weight

- Height: 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)

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