



PowerBook Duo 280c

Features

High performance

- Provides Macintosh Quadra performance in a subnotebook design
- Provides an 8.4-inch (diagonal), backlit, active-matrix gray-scale display for easy viewing
- Offers a large hard disk of 320MB for storing large amounts of data

Broad expansion capabilities

- Upgradable to PowerPC chip technology
- 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 floppy file formats

Users looking for the leading full-featured color subnotebook computer need look no further. The Apple PowerBook Duo 280c is the only subnotebook that supports 16-bit color. It also features exceptional performance and plenty of room for expansion—all in a package that fits easily into a briefcase.

Featuring an advanced 66/33-megahertz 68LC040 processor, the PowerBook Duo 280c 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. For users with an eye on the future, the PowerBook Duo 280c is also upgradable to PowerPC technology.

The PowerBook Duo 280c includes an integrated full-page-width, backlit, active-matrix display that offers two modes—640 by 480 pixels with 256 colors, and 640 by 400 pixels with up to thousands of colors—for high-quality viewing no matter where you are. And to maximize the usefulness of all of its high-performance features, the PowerBook Duo 280c uses batteries and software designed to provide exceptional energy efficiency and long life.

With the PowerBook Duo 280c, 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 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 280c 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 280c

Ordering Information

PowerBook Duo 280c 4/320

Order No. M2329LL/A

- PowerBook Duo 280c computer with 4MB of RAM and internal 320MB hard disk drive
- Battery and AC adapter
- System 7
- Complete setup, learning, and reference documentation
- Training software
- Limited warranty
- PowerBook Mobility Bundle

PowerBook Duo 280c 12/320/EM

Order No. M2332LL/A

- Same as Order No. 2329LL/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 High Capacity Duo 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*

Technical Specifications

Microprocessor

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

Memory

- 4MB of RAM, expandable to 40MB

Storage

- Internal 320MB 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

- 8.4-in. (diagonal), backlit, active-matrix color display
- Resolution: 640 by 480 pixels with 256 colors or 640 by 400 pixels with thousands of colors

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 external Apple SuperDrive, SCSI Disk Adapter, and HDI-30 SCSI system cable
- Duo Dock internal Apple SuperDrive, optional internal hard disk drive, and HDI-30 SCSI system cable
- 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 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: -30° to 140° F (-25° 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: 1.5 in. (3.8 cm)
- Width: 10.9 in. (27.7 cm)
- Depth: 8.5 in. (21.6 cm)
- Weight: 4.8 lb. (2.1 kg)

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

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