



# PowerBook Duo 270c

## Features

### Power and speed

- 33-MHz 68030 microprocessor
- 33-MHz 68882 math coprocessor

### Memory

- 4MB of RAM, expandable to 32MB

### Display

- Bright, backlit, active-matrix display
- 8.4-in. diagonal
- Two display modes: 640 by 400 with thousands of colors; 640 by 480 with 256 colors

### Battery life

- 2 to 4 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 270c is Apple's top-of-the-line color PowerBook Duo computer and is the industry's first 16-bit color notebook. Its 8.4-inch, backlit, active-matrix display lets you work with your files in thousands of colors, providing the best screen image, performance, and color available in a notebook computer. Yet the PowerBook Duo 270c weighs just 4.8 pounds and fits easily into a briefcase.

The PowerBook Duo 270c is as powerful as many desktop computers because it combines the power of a 33-megahertz 68030 microprocessor with an additional math coprocessor. It also supports up to 32 megabytes of RAM, so you can work with multiple applications simultaneously.

With the PowerBook Duo 270c, 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 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.

The PowerBook Duo 270c can meet all your computing needs no matter where you are. It includes a standard-size keyboard, full-page-width display, and built-in trackball.

When you're back at the office, simply slide your PowerBook Duo notebook into any PowerBook Duo Dock. Instantly you're 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 of a desktop system you want, letting you invest in exactly the setup that suits your needs.





# PowerBook Duo 270c

## Ordering Information

### PowerBook Duo 270c 4/240

Order No. M1752LL/A

- PowerBook Duo 270c computer with 4MB of RAM and internal 240MB hard disk
- Battery and AC adapter
- System software version 7.1
- Complete setup, learning, and reference documentation
- Limited warranty

### Optional PowerBook Duo 270 configuration

Order No. M2124LL/A

- PowerBook Duo 270c computer with 12MB of RAM and internal PowerBook Duo 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
- 68882 math coprocessor, running at 33 MHz

### Memory

- Comes with 4MB of RAM
- Expands to up to 32MB of RAM with the addition of PowerBook Duo 4MB or 8MB Memory Expansion Kits, or third-party memory expansion cards

### Disk storage

- One internal 240MB hard disk

### Display

- 8.4-in. diagonal
- Backlit, active-matrix, color liquid crystal display, 640 by 480 pixels
- Two display modes: 640 by 400 with thousands of colors; 640 by 480 with 256 colors
- LED indicator when computer is in sleep mode

### Battery

- Nickel-metal-hydride High Capacity Type II battery provides 2 to 4 hours of computer use before recharging is necessary
- EverWatch Battery Saver technology

### Keyboard

- Built-in, 2.4-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 cables
- Duo Dock internal Apple SuperDrive, optional internal hard drive, and HDI-30 SCSI system cable

### Docking options

- PowerBook Duo Dock
- PowerBook Duo MiniDock
- PowerBook Floppy Adapter
- Docking systems 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.

### Magnesium subframe

- Provides 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 any optional PowerBook Duo Dock or PowerBook Duo MiniDock

### Sound input

- 4-voice sound with 8-bit analog-to-digital conversion recording, 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.

### 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 100 mA with PowerBook Duo MiniDock or PowerBook Floppy Adapter, or 500 mA with PowerBook Duo Dock (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 (-25° to 60° 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)

### Size and weight

- Thickness: 1.5 in. (3.8 cm)
- Width: 10.9 in. (27.7 cm)
- Depth: 8.5 in. (21.6 cm)
- Weight: 4.8 lb. (2.2 kg)

## Apple Computer, Inc.

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