



# Tech Info Library

## PowerBook Duo 2300c/100: Technical Specifications (2/96)

Revised: 2/15/96  
Security: Everyone

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TOPIC -----

This article contains a list of technical specifications for the Macintosh PowerBook Duo 2300c/100 computer.

DISCUSSION -----

### Microprocessor

- 100-MHz PowerPC 603e

### Memory

- 8 MB of RAM, expandable to 56 MB  
(Note: The 8 MB from Apple is soldered to the logic board. There is one RAM card expansion slot.)

### Storage

- Internal 750 MB or 1.1 GB hard disk drive
- Optional external Apple SuperDrive 1.4 MB floppy disk drive, which uses high-density floppy disks and reads, writes, and formats Macintosh, Windows, MS-DOS, OS/2, and ProDOS disks (requires optional floppy adapter)

### Display

- 9.5-in. (diagonal) 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 III battery provides 2 to 4

hours of use before recharge

- Battery recharges in 2 hours while computer is shut down or in sleep mode, 4 hours while running
- PowerBook Control Strip lets you monitor time remaining, charge status, and battery usage

#### Ports

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

#### Docking Options

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- PowerBook Duo Dock Plus\*
  - PowerBook Duo Floppy Adapter
  - Solutions from third-party vendors

\* Note: The PowerBook Duo 2300c can also be used with Apple's previous docking stations: the Duo MiniDock, the Duo Dock II and the original Duo Dock. However, the original Duo Dock can only be used if the top cover has been upgraded with the user-installable Top Cover Upgrade for PowerBook Duo Dock, part number: M1814Z/A.)

#### File-Transfer Options

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

#### Networking

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- Serial/LocalTalk port for AppleTalk connections to networks and printers
  - Modem
  - Optional internal PowerBook Express Modem; sends and receives data and faxes at 14.4 Kbps
  - Includes Express Fax and OCR software (United States and Europe only)

#### Sound

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- Sound output: Apple Sound Chip provides monophonic 16-bit sound, capable of driving stereo headphones or external speakers with the same signal supplied to both channels through optional PowerBook Duo Dock Plus
  - Built-in speaker and integrated microphone
  - Sound input: 4-voice mono sound with 16-bit analog-to-digital conversion, recording at 11- or 22-kHz sampling rate

#### Keyboard And Improved Apple Trackpad

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- Built-in, 2.4-mm travel, 18-mm pitch keyboard, with integrated palm rests
  - Two-level tilt adjustment
  - Solid-state improved Apple trackpad lets you use the trackpad to select, open or close, and drag without using the trackpad button

#### Disability Access

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- System software includes CloseView and Easy Access, and provides the ability to substitute visual cue for beep

#### Electrical Requirements

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

#### ADB Power Requirements

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

#### Environmental Requirements

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- Operating temperature: 50 degrees to 95 degrees F  
(10 degrees to 35 degrees C)
- Operating temperature in Duo Dock Plus: 50 degrees to 86 degrees F  
(10 degrees to 30 degrees C)
- Storage temperature: -13 degrees degrees to 140 degrees F  
(-25 degrees to 60 degrees 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

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- 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)

#### Article Change History:

- 15 Feb 1996 - Updated sound information.
- 03 Oct 1995 - Added more information about docking options.
- 25 Aug 1995 - Reviewed for technical accuracy.

#### Support Information Services

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