



# Tech Info Library

## PowerBook Duo 210: Specifications (Discontinued 10/93)

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TOPIC -----

This article provides the technical specifications for the Macintosh PowerBook Duo 210 computer.

DISCUSSION -----

### Microprocessor

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- 68030, running at 25 MHz

### Address and Data Bus

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32-bit Address Bus

32-bit Data Bus

### Memory

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- Comes with 4MB low-power DRAM on the logic board.
- Expands to up to 24MB of RAM by installing Macintosh PowerBook Duo 4MB or 8MB Memory Expansion Kits or larger-capacity third-party memory expansion cards in the expansion slots.

### Disk storage

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- One internal 80MB hard disk with 19 ms access time.

### Display

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- 9 in. (229 mm) diagonal
- Bright backlit Supertwist liquid crystal display
- 16-level gray scale, 640 by 400 pixels

### Battery

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- Nickel hydride, provides approximately 2 to 4.5 hours of use before recharging is necessary.
- Recharge time: about 2 hrs. recharged standalone in computer.

#### Keyboard

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- Built-in keyboard with standard Macintosh layout.
- Two-level tilt adjustment.
- LED shows when caps lock key is engaged.

#### Trackball

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- 19-mm-diameter, dual-button trackball.

#### Interfaces

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- One 152-pin PDS connector for attaching a Macintosh Duo Dock, Macintosh Duo MiniDock, Macintosh PowerBook Duo Floppy Adapter, or other expansion devices.
- One RS-422 serial port for printer, modem, or other serial device.
- One RJ-11 Port for optional internal modem.
- One power adapter port.

#### File Transfer Options

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- LocalTalk cables and System 7 file sharing.
- Serial cable and System 7 file sharing.
- Fax/data modem and AppleTalk Remote Access software.
- With Duo MiniDock: External Apple SuperDrive, SCSI Disk Adapter, and HDI-30 SCSI System Cable for external hard drives.
- With Duo Dock: Internal Apple SuperDrive, optional internal hard drive, and HDI-30 SCSI System Cable for external hard drive.

#### Modem

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- Optional internal Macintosh PowerBook Express modem. 14,400 bits per second (bps) data, with fax send and receive at 9600 bps; includes Express Fax software:
  - Hardware supports V.32bis, CCITT, and Bell standards.
  - Software supports CCITT standard V.42 and V.42bis (for up to 57,000 bps effective throughput), MNP 2-5.
  - Supports standard Hayes AT command set.

Microphone (built-in)

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- Internal electret, omnidirectional.

Sound

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- Built-in speaker.
- Monophonic 8-bit sound, capable of supplying the same signal to both channels of stereo headphones or other stereo equipment through the sound jack.
- 8-bit sound output, sampled at 11 or 22 kHz.

Disability access

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CloseView, Easy Access, and visible beep are included with system software. These built-in solutions and third-party options provide alternative input and output devices for people with disabilities.

Size and weight

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

Electrical requirements

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- Line voltage: 100 to 240 V
- Frequency: 50 to 60 Hz

Environmental requirements

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- Operating temperature: 50° F to 104° F (10° C to 40° C)
- Storage Temperature: -40 to 65° C (-40 to 148° F)
- Relative humidity: 20% to 95% noncondensing
- Altitude: 0 to 15,000 ft. (0 to 4722 m)
- Operating altitude: 0 to 10,000 ft.(0 to 3048 m)

Article Change History:

- 06/02/93 - Updated to correct voltage specification.
- 02/19/93 - Updated to correct storage temperature range.

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