



Tech Info Library

PowerBook Duo 230: Specifications (8/94) (Discontinued)

Article Created: October 19, 1992

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TOPIC -----

This article provides technical specifications for the Macintosh PowerBook Duo 230 computer.

DISCUSSION -----

Microprocessor

- 68030, running at 33 MHz.

Address and Data Bus

32-bit Address Bus

32-bit Data Bus

Memory

- Comes with 4MB low-power DRAM on the logic board.
- Expands to up to 24MB 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

- One internal 80MB or 120MB hard disk with 19 ms access time.

Display

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

Battery

- 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

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

Trackball

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

Interfaces

- One 152-pin PDS connector for attaching a Macintosh Duo Dock, Macintosh Duo MiniDock, Macintosh PowerBook Duo Floppy Adapter, or other expansion device.
- 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

- 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

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)

- Internal electret, omnidirectional.

Sound

- 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

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

- 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

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

Environmental requirements

- 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:

26 Aug 1994 - Discontinued product.

08 Feb 1994 - Removed erroneous discontinuance notice.
02 Jun 1993 - Updated to correct voltage specification.
19 Feb 1993 - Updated to correct storage temperature range.

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