Tech Info Library

PowerBook Duo 250: Technical Specifications (10/93)

```
Revised:        7/8/94
Security:       Everyone


PowerBook Duo 250: Technical Specifications (10/93)


=======================================================================


Article Created: 21 October 1993


TOPIC -------------------------------------------------------------


This article provides the technical specifications for the Apple PowerBook Duo
250.


DISCUSSION --------------------------------------------------------


Microprocessor
--------------
• Motorola 68030, running at 33 MHz


Memory
------
• Comes with 4MB of RAM
• Can be expanded to up to 24MB of RAM with PowerBook Duo 4MB or 8MB Memory
  Expansion Kits, or third-party memory expansion cards


Disk Drive
----------
• One internal 200MB hard disk


Display
-------
• 9-in. (229-mm) diagonal
• Backlit, active-matrix display, 640 by 400 pixels
• 16 shades of gray


Battery
-------
• Nickel-metal-hydride High Capacity Type II battery provides 2.5 to 6
  hours of computer use before recharging is necessary
• EverWatch Battery Saver technology


Keyboard
```

- Built-in, 2.5-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 cable
- Duo Dock internal Apple SuperDrive, optional internal hard drive, and HDI-30 SCSI system cable

Docking Options

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

Subframe

- Magnesium subframe 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 optional PowerBook Duo Dock or
  PowerBook Duo MiniDock

Sound Input

• 4-voice sound with 8-bit analog-to-digital conversion recording at 11 or
  22 kHz sampling rate

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 200 mA (a maximum of three
  ADB devices is recommended)

Size and Weight

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

Operating Environment

• Operating temperature: 50° to 104° F (10° C to 40° C)
• Storage temperature: −40° to 116° F (−40° C to 47° 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)

Support Information Services

Copyright 1993, Apple Computer, Inc.

Tech Info Library Article Number:13728