# Tech Info Library

## PowerBook Duo 270c: Technical Specifications (Discontinued)

```
Revised:        6/3/94
Security:       Everyone


PowerBook Duo 270c: Technical Specifications (Discontinued)


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


Article Created: 21 October 1993


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


This article provides the technical specifications for the Apple PowerBook Duo
270c.


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


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)

Tech Info Library Article Number:13731