



Tech Info Library

PowerBook 100: Specifications (Discontinued)

Article Created: 21 October 1991

Article Reviewed/Updated: 22 March 1995

TOPIC -----

This article gives technical specifications for the Macintosh PowerBook 100 notebook computer.

DISCUSSION -----

Microprocessor

68HC000, running at 16 MHz

Address Bus: 24-bit

Registers (32-bit): 17

Addressing Modes: 14

Memory

- Comes with 2MB pseudostatic RAM on the logic board, and one memory expansion slot.

- Expandable to 8MB of RAM by installing a RAM expansion card in the expansion slot.

Disk storage

- One internal 20MB SCSI hard disk

- External 1.4MB floppy disk drive; reads, writes, and formats Macintosh, MS-DOS, OS/2 and ProDOS disks

Display

- 9 inch (229 mm) diagonal

- Backlit Supertwist liquid crystal display

- 640 by 400 pixels

Battery

- Sealed lead-acid, 2.3 ampere-hours, provides 2 to 4 hours of use before recharging is necessary
- Recharge time: 3 hours
- Three non-rechargeable disk-type Lithium backup batteries (type CR-2430)

Keyboard

- Built-in keyboard with standard Macintosh layout
- Two-level tilt adjustment

Trackball

- dual button trackball, 25 mm diameter

Clock/calendar

- CMOS custom chip with long-life lithium battery

Interfaces

- One Apple Desktop Bus (ADB) port for low-power keyboard, mouse, and other devices using a two-speed, synchronous serial bus
- One RS-422 serial port for LocalTalk networking, printers, modems, and other devices
- One HDI-30 SCSI port for hard disks, scanners, CD-ROM drives, and other devices
- One monophonic sound output port for external audio amplifier
- One HDI-20 floppy disk drive port for the external 1.4MB floppy disk drive

Modem

- Optional internal 2400-baud data modem with facsimile at 9600 baud; includes facsimile send software
- Error correction and compression: MNP 4, 5 and V.42, V.42bis

Sound generator

- Apple Sound Chip provides 8-bit sound capable of driving headphones or other stereo equipment through the sound port.

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 disability.

ADB Power Requirements

- Maximum current draw for all ADB devices is 200 milliamps (a maximum of three ADB devices is recommended)

Electrical Requirements

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

Environmental Requirements

- Operating temperature: 50 to 104 degrees F (10 to 40 degrees C)
- Storage Temperature: -40 to 65° C (-40 to 149° F)
- Relative humidity: 20% to 80% noncondensing
- Altitude: Operating: 3048 m (10,000 ft.) maximum
Shipping (non-operating) 0 to 15,000 ft. (0 to 4,722 m)

Size and Weight

- Height 1.8 inches (4.6 cm)
- Width 11 inches (28.0 cm)
- Depth 8.5 inches (22.0 cm)
- Weight 5.1 lb. (2.3 kg)

Noise Level

Noise free except for floppy or hard disk use.

Article Change History:

- 22 Mar 1995 - Updated altitude information.
- 26 Aug 1993 - Updated to correct storage temperature range.
- 02 Jun 1993 - Updated to correct voltage specification.

Support Information Services

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Keywords: specsht,kpbook

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19960215 11:05:19.00

Tech Info Library Article Number: 8982