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PowerBook 1400 Series: Technical Specifications (11/96)

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TOPIC -----

This article contains a list of technical specifications for the Macintosh PowerBook 1400 family (1400c/117, 1400cs/117, and 1400c/133) computers.

DISCUSSION -----

Microprocessor

- * 117-MHz PowerPC 603e
or 133-MHz PowerPC 603e with 128K level 2 cache Memory

Memory

- * 12 MB or 16 MB of RAM, expandable to 64 MB (expansion via Customer RAM slot)
(12 MB = 8 MB soldered on logic board, 4 MB in Apple Factory RAM slot)
(16 MB = 8 MB soldered on logic board, 8 MB in Apple Factory RAM slot)

Storage

- * Built-in 1.4 MB Apple SuperDrive floppy disk drive uses high-density floppy disks and reads, writes, and formats Macintosh, Windows, MS-DOS, OS/2, and ProDOS disks
- * Internal 750 MB or 1 GB hard disk drive
- * Sleep-swappable 6x-speed CD-ROM drive module (CD-ROM also available for separate purchase for M5287 model)

Display

- * 11.3-in. (diagonal) dual-scan (1400cs/117)
or active-matrix (1400c/117 and 1400c/133) color SVGA display,
thousands of colors
- * Resolution: 800 by 600 pixels

Expansion capabilities

- * Memory expansion slot that allows "piggy-backing" of up to two memory cards
- * Expansion bay for Apple and third-party solutions such as an additional hard disk drive, magneto-optical drive, or Zip drive

* Internal expansion slot for video-out or Ethernet cards

PC Card slots (PCMCIA)

* Includes two PC Card slots that can accommodate two Type II PC Cards or one Type III PC Card

* Support for industry-standard cards such as Ethernet networking, a wired or wireless modem, storage, or other capabilities

Battery

* 30 watt-hour nickel-metal-hydride (NiMH)

* Average life: 2 to 4 hours, depending on usage and configuration

Ports

* Apple Desktop Bus (ADB) port

* Serial (RS-422) port

* SCSI port for connecting as many as six external devices

* Power adapter port

* Stereo sound-input port

* Stereo sound-output port

Networking

* Built-in LocalTalk port

* Built-in infrared technology supports AppleTalk protocols

Built-in stereo sound

* 16-bit, CD-quality stereo sound capable of driving headphones or external speakers

* Built-in speaker and integrated microphone

* Digital-to-analog conversion sampled at 44.1, 22.05, or 11.025 kHz

* 16-bit audio line-in for recording

Security

* Security slot for locking (requires third-party cable)

* Password security software

Keyboard

* Built-in full-size keyboard with 76 (U.S.) or 77 (ISO) keys, including 12 function keys and an integrated palm rest

Apple trackpad

* Solid-state Apple trackpad provides precise cursor control in response to the movement of the user's fingertip over its surface; sensing of movement and acceleration can be easily adjusted through a control panel; supports tap, double-tap, and drag capabilities

Disability access

* System software includes Easy Access and ability to substitute visual cue for beep. These built-in solutions and third-party options provide alternative input and output solutions for people with disabilities.

Electrical requirements

* Line voltage: 100 to 220 volts AC
* Frequency: 50 to 60 Hz

Environmental requirements

* Operating temperature: 41 degrees to 95 degrees F
(5 degrees to 35 degrees C)
* Storage temperature: 14 degrees to 140 degrees F
(-10 degrees to 60 degrees 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

* Height: 2.0 in. (5.2 cm)
* Width: 11.5 in. (29.2 cm)
* Depth: 9.0 in. (22.5 cm)
* Weight:
 * Macintosh PowerBook 1400cs/117:
 6.7 lb. (3.0 kg) (with floppy disk drive installed);
 7.07 lb. (3.17 kg) (with CD-ROM drive installed)
 * Macintosh PowerBook 1400c/117 or 1400c/133:
 6.6 lb. (3.0 kg) (with floppy disk drive installed);
 6.97 lb. (3.17 kg)
 (with CD-ROM drive installed)

Ordering Information

Macintosh PowerBook 1400cs/117

Order No. M5287

* PowerBook 1400cs/117 computer with 12 MB of RAM, built-in 1.4 MB Apple SuperDrive, and internal 750 MB hard disk drive
* 11.3-inch dual-scan display
* NiMH battery and AC adapter
* Mac OS system software
* Complete setup, learning, and reference documentation
* ClarisWorks and Claris Organizer software and documentation
* Apple Internet Connection Kit software
* Apple Remote Access and cross-platform compatibility software
* Limited warranty

Macintosh PowerBook 1400cs/117

Order No. M5292

* Same as Order No. M5287 but with 16 MB of RAM and a 6x-speed CD-ROM drive.

Macintosh PowerBook 1400c/117

Order No. M4856

* PowerBook 1400c/117 computer with 16 MB of RAM, built-in 1.4 MB Apple SuperDrive, internal 1 GB hard disk drive, and 6x-speed CD-ROM drive (battery, adapter, system software, additional software, documentation, and warranty same as Order No. M5287)

* 11.3-active-matrix display

Macintosh PowerBook 1400c/133

Order No. M5576

* Same as Order No. M4586 but with 133-MHz PowerPC 603e with 128K level 2 cache

Macintosh PowerBook 6x-Speed CD-ROM Module

Order No. M4508

Macintosh PowerBook 8-bit Color Video-out Upgrade Kit

Order No. M4509

Macintosh PowerBook Video Adapter Cable

Order No. M3927

Macintosh PowerBook AC Adapter

Order No. M4895

Apple HDI-30 SCSI Disk Adapter

M2539 - for SCSI disk mode

Apple SCSI Peripheral Interface Cable

M0207 - for SCSI to SCSI connection

Apple HDI-30 SCSI System Cable

M2538

Macintosh PowerBook Rechargeable Battery

Order No. M4507

Macintosh PowerBook 8 MB Memory Expansion Card

Order No. M4506

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19 Nov 1996 - Added more details about RAM.

18 Oct 1996 - Changed article status.

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