



# Tech Info Library

## PowerBook 1400 Series: Technical Specifications (4/97)

Revised: 4/9/97  
Security: Everyone

PowerBook 1400 Series: Technical Specifications (4/97)

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Article Created: 27 September 1996  
Article Reviewed/Updated: 09 April 97

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

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\* 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

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\* 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

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

#### Environmental requirements

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- \* 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

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- \* 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

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#### Macintosh PowerBook 1400cs/117

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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

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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

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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

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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

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Order No. M4508

Macintosh PowerBook 8-bit Color Video-out Upgrade Kit

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Order No. M4509

- \* This upgrade has 512K VRAM and ships with the external video adapter cable.

Macintosh PowerBook Video Adapter Cable

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Order No. M3927

Macintosh PowerBook AC Adapter

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Order No. M4895

Apple HDI-30 SCSI Disk Adapter

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M2539 - for SCSI disk mode

Apple SCSI Peripheral Interface Cable

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M0207 - for SCSI to SCSI connection

Apple HDI-30 SCSI System Cable

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M2538

Macintosh PowerBook Rechargeable Battery

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Order No. M4507

Macintosh PowerBook 8 MB Memory Expansion Card

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Order No. M4506

Article Change History:

09 Apr 1997 - Revised Video Out Upgrade section.

19 Nov 1996 - Added more details about RAM.

18 Oct 1996 - Changed article status.

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Tech Info Library Article Number:20469