Macintosh PowerBook 1400c/117

SYSTEM

Introduced: October 1996
Discontinued: July 1997
Gestalt ID: 310
Form Factor: PowerBook 1400
Weight (lbs.): 6.6
Dimensions (inches): 2 H x 11.5 W x 9 D

Codename: Epic
Oder Number: M4856LL/A
KB Article #: 20468, 20469

Weight of this system varies based on the accessories installed.

POWER

Max. Watts: 45
Amps: 1.875
BTU Per Hour: 153.9
Voltage Range: 100-220
Freq'y Range (Hz): 50-60
Battery Type: PB1400, NiMH
☒ **Soft Power**
☐ **Monitor Power Outlet**

PORTS

ADB: 1
Video: opt. mini-15
Floppy: none
SCSI: HDI-30
GeoPort Connectors: none
Ethernet: none
Microphone Port Type: Line in
☒ **Printer** ☒ **Speaker**
☐ **Modem** ☐ **Headphone**
☐ **Airport** ☐ **Remote Control**

VIDEO

Built-in Display: *11.3" active matrix LCD*

Maximum Color Bit-depth[1] At:

VRAM Speed:	VRAM Needed:	Video Configuration:	512 x384	640 x400	640 x480	640 x870[2]	800 x600	832 x624	1024 x768	1152 x870	1280 x1024
n/a	built in	built-in LCD screen	n/a	n/a	n/a	n/a	16	n/a	n/a	n/a	n/a

[1] 1-bit = Black & White; 2-bit = 4 colors; 4-bit = 16 colors; 8-bit = 256 colors; 16-bit = Thousands; 24-bit = Millions
[2] The maximum color depth listed for 640x870 is 8-bit, reflecting the capabilities of the Apple 15" Portrait Display.

LOGIC BOARD

Main Processor: 603e, 117 MHz
PMMU: integrated
FPU: integrated
Data Path: 64-bit, 33.3 MHz
L1 Cache: 32K
L2 Cache: none
Secondary Processor: none
Slots: 2 Type II PC Card (1 Type III)

MEMORY

Memory on Logic Board: 16MB
Minimum RAM: 32 MB
Maximum RAM: 64 MB
RAM Slots: 1   PB1400
Minimum RAM Speed: 70 ns
RAM Sizes: 8-24 MB
Install in Groups of: 1

Memory expansion slot allows "piggy-backing" of up to two memory cards.

SOFTWARE

☒ **Speech Recognition Supported**

Addressing Modes: 32-bit
Original SSW: 7.5.3
Original Enabler: PowerBook 1400 Enabler

ROM ID: $077D
ROM Version: $32
ROM Size: 4MB
AppleTalk Version: 58.1.6

Supported Macintosh System Software:

☐ A/UX 1.0	☐ NOS 1.11	☐ ProDOS	☐
☐ A/UX 1.11	☐ NOS 1.3	☐ GS/OS	☐
☐ A/UX 2.0	☐ NOS 2.0	☐ NeXTStep 1.x	☐
☐ A/UX 3.0.1	☐ NOS 2.1	☐ NeXTStep 2.x	☐
☐ A/UX 4.1.4	☐ LOS 7/7	☐ NeXTStep 3.x	☐
☐ A/UX 4.1.4.1	☐ DOS 3.1	☐ OpenStep	☐
☐ A/UX 4.1.5	☐ SOS 1.3	☐ <1.0	☐

SOUND

☒ **Built-in Microphone**

Microphone Port Type: Line in
Sound In: stereo, 16-bit
Sound Out: stereo, 16-bit

STORAGE

☒ **Supports Internal CD-ROM**

Floppy Size: 1.44MB
Floppy Inject: manual
Internal HD Size: 1GB
Internal HD Interface: ATA
Original CD-ROM Speed: 6x

HISTORY

Announced in October 1996, The PowerBook 1400 was a partial answer to a number of questions about recent PowerBooks. Powered by the same 117 Mhz 603e as the 5300, the 1400 was the first PowerBook to include an internal CD-ROM drive (6X). The bay for the sleep-swapable drive could also accomidate a variety of other storage options, including MO and zip drives. The RAM came in stackable modules (another PowerBook 1st) allowing for up to 64 MB of RAM. The 1400 also included an Internal expansion slot for video-out or Ethernet cards, and two PC Card slots that could accommodate two Type II PC Cards or one Type III PC Card. Faster models with a small L2 cache and an 8x CD-ROM drive were also released. The 1400 was discontinued early in 1998.