



System Fact Sheet

SYSTEM

Introduced: October 1992
Discontinued: May 1994
Gestalt ID: 33
Form Factor: PowerBook 140
Weight (lbs.): 6.8
Dimensions (inches): 2.25 H x 11.25 W x 9.3 D

Codename: Converse, Dartanian
Order Number: M4440LL/A
KB Article #: 10903

POWER

Max. Watts: 17
Amps: 2.00
BTU Per Hour: 58.14
Voltage Range: 100-240
Freq'y Range (Hz): 50-60
Battery Type: PB1XX, NiCd

Soft Power
 Monitor Power Outlet

PORTS

ADB: 1
Video: mini-15
Floppy: none
SCSI: HDI-30
GeoPort Connectors: none
Ethernet: none
Microphone Port Type: Omni

Printer **Speaker**
 Modem **Headphone**
 Airport **Remote Control**

VIDEO

Built-in Display: 10" active matrix LCD

Maximum Color Bit-depth¹ At:

VRAM Speed:	VRAM Needed:	Video Configuration:	512	640	640	640	800	832	1024	1152	1280
			x384	x400	x480	x870 ²	x600	x624	x768	x870	x1024
n/a	built in	128K static (LCD only)	n/a	4	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	built in	512K VRAM (ext. only)	8	8	8	8	8	8	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.

LOGICBOARD

Main Processor: 68030, 33 MHz
PMMU: integrated
FPU: 68882
Data Path: 32-bit, 33 MHz
L1 Cache: 0.5K
L2 Cache: none
Secondary Processor: none
Slots: modem

MEMORY

Memory on Logic Board: 4 MB
Minimum RAM: 4 MB
Maximum RAM: 14 MB
RAM Slots: 1 PB1xx
Minimum RAM Speed: 85 ns
RAM Sizes: 2, 4, 6, 8, 10 MB
Install in Groups of: 1

SOFTWARE

Speech Recognition Supported

Addressing Modes: 24-, 32-bit
Original SSW: 7.1
Original Enabler: System Enabler 111

ROM ID: \$067C
ROM Version: n/a
ROM Size: 1MB
AppleTalk Version: 57.0.4

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: Omni
Sound In: mono, 8-bit
Sound Out: stereo, 8-bit

STORAGE

Supports Internal CD-ROM

Floppy Size: 1.44MB
Floppy Inject: manual
Internal HD Size: 80, 120MB
Internal HD Interface: SCSI
Original CD-ROM Speed:

HISTORY

Released in October 1992, the PowerBook 180 replaced the 170 at the top of the line. It sported the same external monitor capacity as the cheaper 160, but was faster and had a FPU. The 180 cost \$4,110 and was discontinued in May of 1994. It was joined in June 1993 by the 180c which included an active-matrix 256 color screen (a first for PowerBooks) and cost \$4,160. The 180c was discontinued in March 1994.