Macintosh PowerBook 520c

SYSTEM

Introduced: May 1994
Discontinued: September 1995
Gestalt ID: 72
Form Factor: PowerBook 520
Weight (lbs.): 6.4
Dimensions (inches): 2.3 H x 11.5 W x 9.7 D

Codename: Blackbird LC
Oder Number: M1845LL/A
KB Article #: 15282

POWER

Max. Watts: 40
Amps: 1.0/1.5
BTU Per Hour: 136.8
Voltage Range: 100-240
Freq'y Range (Hz): 50-60
Battery Type: PB500, NiMH
☒ **Soft Power**
☐ **Monitor Power Outlet**

PORTS

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

VIDEO

Built-in Display: *9.5" dual-scan color passive 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	8	n/a	n/a	n/a	n/a	n/a	n/a
	built in	512K VRAM (ext. only)	8	n/a	8	4	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.

LOGIC BOARD

Main Processor: 68LC040, 50 MHz
PMMU: integrated
FPU: none
Data Path: 32-bit, 25 MHz
L1 Cache: 8K
L2 Cache: none
Secondary Processor: none
Slots: modem

MEMORY

Memory on Logic Board: 4 MB
Minimum RAM: 4 MB
Maximum RAM: 36 MB
RAM Slots: 1   PB5xx
Minimum RAM Speed: 70 ns
RAM Sizes: 4, 8, 12, 20, 32 MB
Install in Groups of: 1

SOFTWARE

☐ **Speech Recognition Supported**

Addressing Modes: 32-bit
Original SSW: 7.1.1
Original Enabler: PowerBook 500 Series Enabler

ROM ID: n/a
ROM Version: n/a
ROM Size: 2MB
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: 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: 160-320MB
Internal HD Interface: SCSI
Original CD-ROM Speed:

HISTORY

Introduced in May 1994, the PowerBook 520 was the first PowerBook with '040 power. A trackpad replaced the rolling ball in older PowerBooks, and the 520 had a built-in microphone and stereo speaker. The 520 was priced at $2,270 with an active-matrix 4-bit grayscale screen, and the 520c, with a dual-scan 256-color screen (the 520c was the first PowerBook to include one), cost $2,900.