Power Macintosh 8100/80

SYSTEM

Introduced: March 1994
Discontinued: January 1995
Gestalt ID: 65
Form Factor: Quadra 800
Weight (lbs.): 25.3
Dimensions (inches): 14 H x 7.7 W x 15.75 D

Codename: Cold Fusion
Oder Number:
KB Article #: 14544

POWER

Max. Watts: 200
Amps: 9.00
BTU Per Hour: 684
Voltage Range: 100-240
Freq'y Range (Hz): 50-60
Battery Type: 3.6V lithium
☒ **Soft Power**
☒ **Monitor Power Outlet**

PORTS

ADB: 1
Video: DB-15 & HDI-45
Floppy: none
SCSI: DB-25
GeoPort Connectors: 2
Ethernet: AAUI-15
Microphone Port Type: PlainTalk
☒ **Printer** ☒ **Speaker**
☒ **Modem** ☐ **Headphone**
☐ **Airport** ☐ **Remote Control**

VIDEO

Built-in Display: *none*

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
80 ns	built in	DRAM (HDI-45)	16	n/a	16	8	n/a	8	n/a	n/a	n/a
	built in	2MB VRAM	24	n/a	24	8	n/a	24	16	16	n/a
	4x512K	4MB VRAM	24	n/a	24	8	n/a	24	24	24	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: 601, 80 MHz
PMMU: integrated
FPU: integrated
Data Path: 64-bit, 40 MHz
L1 Cache: 32K
L2 Cache: 256K
Secondary Processor: none
Slots: 3 NuBus, PDS filled

MEMORY

Memory on Logic Board: 8 MB
Minimum RAM: 8 MB
Maximum RAM: 264 MB
RAM Slots: 8 72-pin
Minimum RAM Speed: 80 ns
RAM Sizes: 4, 8, 16, 32 MB
Install in Groups of: 2

SOFTWARE

☒ **Speech Recognition Supported**

Addressing Modes: 32-bit
Original SSW: 7.1.2
Original Enabler: PowerPC Enabler v1.0

ROM ID: $077D
ROM Version: $A4
ROM Size: 4MB
AppleTalk Version: 58.0.2

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

Microphone Port Type: PlainTalk
Sound In: stereo, 16-bit
Sound Out: stereo, 16-bit
☐ **Built-in Microphone**

STORAGE

Floppy Size: 1.44MB
Floppy Inject: manual
Internal HD Size: 250MB-1GB
Internal HD Interface: SCSI
Original CD-ROM Speed: 2x
☒ **Supports Internal CD-ROM**

HISTORY

Introduced in March of 1994, the PowerMac 8100 was the fastest, most expandable first-generation PowerMac. It shipped in a Quadra 800-style case, and was speed bumped to 100 Mhz in November, and to 110 Mhz in January 1995. It was originally priced at $4,250.

Note: n/a = information not available or not applicable