



System Fact Sheet

SYSTEM

Introduced: January 1995
Discontinued: August 1995
Gestalt ID: 55
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 #: 16932

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**

*Includes S-video ports for video in and out.
RCA ports available via included adapter.*

VIDEO

Built-in Display: none

VRAM Speed: 80 ns **VRAM Needed:** built in built in **Video Configuration:** DRAM (HDI-45) 2MB VRAM

		Maximum Color Bit-depth¹ At:									
		512	640	640	640	800	832	1024	1152	1280	
VRAM Speed:	VRAM Needed:	x384	x400	x480	x870 ²	x600	x624	x768	x870	x1024	
80 ns	built in	16	n/a	16	8	n/a	8	n/a	n/a	n/a	n/a
	built in	24	24	24	8	24	24	16	16	16	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, 100 MHz
PMMU: integrated
FPU: integrated
Data Path: 64-bit, 33.3 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: 7.5
Original Enabler: PowerPC Enabler v1.1.1

ROM ID: \$077D
ROM Version: \$23
ROM Size: 4MB
AppleTalk Version: n/a

Supported Macintosh System Software:

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

SOUND

Built-in Microphone

Microphone Port Type: PlainTalk
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: SCSI
Original CD-ROM Speed: 2x

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.