



**System Fact Sheet**

**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  
**Order Number:**  
**KB Article #:**

**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      **Video Configuration:** DRAM (HDI-45) 2MB VRAM

	512	640	640	640	800	832	1024	1152	1280
<b>Maximum Color Bit-depth<sup>1</sup> At:</b>	x384	x400	x480	x870 <sup>2</sup>	x600	x624	x768	x870	x1024
	16	n/a	16	8	n/a	8	n/a	n/a	n/a
	24	24	24	8	24	24	16	16	n/a

<sup>1</sup> 1-bit = Black & White; 2-bit = 4 colors; 4-bit = 16 colors; 8-bit = 256 colors; 16-bit = Thousands; 24-bit = Millions  
<sup>2</sup> 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      **ROM ID:** \$077D  
**Original SSW:** 7.1.2      **ROM Version:** \$A4  
**Original Enabler:** PowerPC Enabler v1.0      **ROM Size:** 4MB  
**AppleTalk Version:** 58.0.2

**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:** 250MB-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.