



**System Fact Sheet**

**Pro. Go. Whoa.**

**SYSTEM**

**Introduced:** November 1997  
**Discontinued:** January 1999  
**Gestalt ID:** 510  
**Form Factor:** PM 9600  
**Weight (lbs.):** 33.1  
**Dimensions (inches):** 15.2 H x 9.6 W x 17.8 D

**Codename:** Gossamer  
**Order Number:** M6431LL/A (233)  
**KB Article #:** 28049

**POWER**

**Max. Watts:** 240  
**Amps:** 8.0  
**BTU Per Hour:** 820.8  
**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  
**Floppy:** none  
**SCSI:** DB-25

**GeoPort Connectors:** none  
**Ethernet:** 10Base-T

**Microphone Port Type:** PlainTalk

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

**VIDEO**      **Built-in Display:** none

		<i>Maximum Color Bit-depth<sup>1</sup> At:</i>									
		512	640	640	640	800	832	1024	1152	1280	
<b>VRAM Speed:</b>	<b>VRAM Needed:</b>	<b>Video Configuration:</b>	x384	x400	x480	x870 <sup>2</sup>	x600	x624	x768	x870	x1024
83Mhz	2x1MB	2MB SGRAM	32	32	32	32	24	24	16	16	8
	4x1MB	4MB SGRAM	32	32	32	32	32	32	32	32	16
	6x1MB	6MB SGRAM	32	32	32	32	32	32	32	32	32

<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.

Supports resolutions up to 1600x1200

**LOGICBOARD**

**Main Processor:** G3, 266MHz\*  
**PMMU:** integrated  
**FPU:** integrated  
**Data Path:** 64-bit, 66MHz  
**L1 Cache:** 32K  
**L2 Cache:** 512K

**Secondary Processor:** none  
**Slots:** 3 PCIs, 1 Comm

\*300 MHz option available

**MEMORY**

**Memory on Logic Board:** none  
**Minimum RAM:** 32 MB  
**Maximum RAM:** 384 MB  
**RAM Slots:** 3 168-pin  
**Minimum RAM Speed:** 10 ns  
**RAM Sizes:** 8,16,32,64,128 MB  
**Install in Groups of:** 1

*DIMMs must be:*  
•3.3 volt(V) unbuffered, 64-bit wide, 168-pin  
•100MHz/10ns cycle time or faster

**SOFTWARE**

**Speech Recognition Supported**

**Addressing Modes:** 32-bit  
**Original SSW:** 8.0  
**Original Enabler:**

**ROM ID:** \$0770  
**ROM Version:** 1917  
**ROM Size:** 4MB  
**AppleTalk Version:** 60.2

**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:** mono, 16-bit  
**Sound Out:** mono, 16-bit

**STORAGE**

**Supports Internal CD-ROM**

**Floppy Size:** 1.44MB  
**Floppy Inject:** manual  
**Internal HD Size:** 6GB  
**Internal HD Interface:** IDE  
**Original CD-ROM Speed:** 24x

**HISTORY**

Announced in November 1997, The PowerMac G3 knocked the 9600/300 out of the fastest-mac-on-the-planet mark by nearly 10%. Based on a newly designed motherboard (code-named "Gossamer") which ran at a blazing-fast 66Mhz, the G3 was the first Apple-branded Mac to ship with the new PPC 750 Processor. The 750 was co-designed by IBM and Motorola, and was the first processor capable of using a "backside" cache, which could communicate directly with the processor at extremely high speeds.

The G3 came in either a mini-tower case (similar to that of the 8600 & 9600, but shorter) or a 7300-style desktop case, and operated at either 233 or 266 Mhz, with a 512k backside cache operating at 117 and 133 Mhz, respectively. The PowerMac G3 Desktop, available at 233 or 266 Mhz came