



System Fact Sheet

Pro. Go. Whoa.

SYSTEM

Introduced: November 1997
Discontinued: January 1999
Gestalt ID: 510
Form Factor: PM 7500
Weight (lbs.): 22
Dimensions (inches): 6.3 H x 14.4 W x 16.9 D

Codename: Gossamer
Order Number: M6141LL/A (233)
KB Article #: 28049

POWER

Max. Watts: 230
Amps: 8.0
BTU Per Hour: 786.6
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-depth¹ At:</i> | | | | | | | | | |
|--------------------|---------------------|--|------|------|------|-------------------|------|------|------|------|-------|
| | | 512 | 640 | 640 | 640 | 800 | 832 | 1024 | 1152 | 1280 | |
| VRAM Speed: | VRAM Needed: | Video Configuration: | x384 | x400 | x480 | x870 ² | 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 |

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.

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 PCI, 1 Comm

*300 MHz option available

MEMORY

Memory on Logic Board: none
Minimum RAM: 32 MB
Maximum RAM: 192 MB
RAM Slots: 3 168-pin
Minimum RAM Speed: 10 ns
RAM Sizes: 8,16,32,64,128 MB
Install in Groups of: 1

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: 4GB
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