Apple Spec Database
System Fact Sheet

SYSTEM

Introduced: August 1997
Discontinued: January 1998
Gestalt ID: 67
Form Factor: PM 9600
Weight (lbs.): 35
Dimensions (inches): 17.3 H x 9.7 W x 17.3 D

Codename:
Oder Number: M6167LL/A
KB Article #: 34047, 34048

POWER

Max. Watts: 390
Amps: 3.00
BTU Per Hour: 1333.8
Voltage Range: 100-125/200
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: 2
Ethernet: AAUI-15 &
Microphone Port Type: PlainTalk
☒ **Printer** ☒ **Speaker**
☒ **Modem** ☐ **Headphone**
☐ **Airport** ☐ **Remote Control**

Ethernet 100T port on PCI card.

VIDEO

Built-in Display: *none*

Maximum Color Bit-depth[1] At:

		Video Configuration:	512 x384	640 x400	640 x480	640 x870[2]	800 x600	832 x624	1024 x768	1152 x870	1280 x1024
VRAM Speed:	**VRAM Needed:**										
n/a	n/a	video card	24	n/a	24	8	24	24	24	24	24

[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.

A video card ships bundled with this system. The bundled video card is capable of resolutions up to 1600x1200.

LOGIC BOARD

Main Processor: 604e, 350 MHz
PMMU: integrated
FPU: integrated
Data Path: 64-bit, 100 MHz
L1 Cache: 64K
L2 Cache: 512K
Secondary Processor: opt. PC Compatbility Card
Slots: 6 PCI

Three PCI slots are occupied by SCSI, video, and Ethernet cards.
System supports 100 MHz cache bus, and 50 MHz system bus speeds.

MEMORY

Memory on Logic Board: none
Minimum RAM: 64 MB
Maximum RAM: 768 MB
RAM Slots: 12 168-pin
Minimum RAM Speed: 70 ns
RAM Sizes: 8, 16, 32, 64 MB
Install in Groups of: 1

SOFTWARE

☒ **Speech Recognition Supported**

Addressing Modes: 32-bit
Original SSW: 7.6.1
Original Enabler: n/a

ROM ID: $077D
ROM Version: n/a
ROM Size: 4MB
AppleTalk Version: 60.1.1

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

☒ **Supports Internal CD-ROM**

Floppy Size: 1.44MB
Floppy Inject: manual
Internal HD Size: 2x4GB
Internal HD Interface: SCSI
Original CD-ROM Speed: 24x

HISTORY

The Workgroup Server 9650 was based on the motherboard of the PowerMac 9600, and included bundled server software. It was "speed bumped" to a 350 Mhz Mach 5 in late 1997.