

# Workgroup Server 9650/233

# **System Fact Sheet**

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**VDEO** 

Introduced: April 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: M5646LL/A KB Article #: 21193, 21194

# ROWER

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

### **PORIS**

**ADB:** 1 Video: DB-15 Floppy: none SCSI: DB-25

**GeoPort Connectors: 2** 

Ethernet: AAUI-15 & Microphone Port Type: PlainTalk

**⊠** Printer **⊠** Speaker

 $\bowtie$  Modem **Headphone** Remote Control ☐ Airport

Maximum Color Bit-depth<sup>1</sup> At: Built-in Display: none

640 640 800 1024 1152 1280 832 512 **Video Configuration:** VRAM Speed: VRAM Needed: x384 x400 x480 x870<sup>2</sup> x600 x624 x768 x870 x1024 video card (4MB) 24 24 24 24 24 24 n/a n/a 24

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

#### LOGC BOARD

Main Processor: 604e, 233 MHz PMMU: integrated FPU: integrated Data Path: 64-bit, 50 MHz

L1 Cache: 64K L2 Cache: 512K

Secondary Processor: opt. PC Compatbility Card

Slots: 6 PCI

# **VEVORY**

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

128MB DIMMs can be used, but have not been tested. Two identical DIMMs installed in corresponding slots may result in increased performance.

#### SOFTWARE

Speech Recognition Supported Addressing Modes: 32-bit

Original SSW: 7.6.1 Original Enabler: none

**ROM ID:** \$077D **ROM Version:** \$34

> **ROM Size: 4MB** AppleTalk Version: n/a

| Support | ed Mac | intosh Syster | n Software | : |
|---------|--------|---------------|------------|---|
|         |        |               |            | _ |

| ☐ A/UX 1.0     |           | ☐ 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           |  |

#### SUND

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: 4GB, 2x4GB **Internal HD Interface: SCSI** Original CD-ROM Speed: 12x

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.

<sup>&</sup>lt;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>&</sup>lt;sup>2</sup> The maximum color depth listed for 640x870 is 8-bit, reflecting the capabilities of the Apple 15" Portrait Display.