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Apple Workgroup Server 95: Specifications (3/93) (Discontinued)

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TOPIC -----

This article provides specifications for the Apple Workgroup Server 95.

DISCUSSION -----

Microprocessor

- Motorola 68040, 32-bit architecture, running at 33 MHz clock speed
- Integral Paged Memory Management Unit (PMMU), Floating Point Unit (FPU), and 8K-cache architecture

Memory

- Entry system comes with 16MB of parity RAM standard
- 16 Single In-line Memory Module (SIMM) sockets, allowing expansion to 256MB of RAM with 16MB SIMMs. Must replace all 4MB RAM SIMMs with 16MB SIMMs to reach 256MB
- 128K second-level 68040 memory cache on board, expandable to 512K

Operating System

- Version of multitasking, industry-standard UNIX operating system
- Performance-tuned for file and database services (including asynchronous I/O and SCSI DMA driver support)

Mass Storage Devices

- Built-in Apple SuperDrive 1.4MB floppy-disk drive
- Accommodates five 3.5" half-height SCSI hard drives for a total of 10GB of internal storage and one CD-ROM or DDS-DC 4mm tape drive
- DDS-DC 4mm tape drive uses the Media Recognition System (MRS) and can back up 4 to 6 GB of compressed data (dependent on data being compressed) on 90-meter tapes.

Interfaces

- One Apple Desktop Bus (ADB) port, supporting a keyboard, mouse, and other devices daisy-chained through a synchronous serial bus

- Two serial (RS-232 or RS-422) ports, 230.4 Kbit/sec. maximum (up to 0.920 Mbit/sec if clocked externally)
- Two SCSI DMA channels, four SCSI bus interfaces total
- All SCSI channels support disconnect/reconnect SCSI feature
- The two SCSI DMA channels support active termination and active negation
- Five internal NuBus expansion slots (one used by PDS card)
- Sound-input port for monaural sound input
- Dual mono line input ports
- AAUI Ethernet connector

Security

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- Electronic key lock

Video Display

-
- Can support up to 2MB VRAM
 - 1MB VRAM standard supports
 - 32,768 colors on the Macintosh 12-inch RGB Display
 - 256 colors on the AppleColor High-Resolution RGB Display (13"), Macintosh Color Display (14"), and Macintosh 16" Color Display
 - 256 shades of gray on the Macintosh Portrait Display (15")
 - 16 colors on the Macintosh 21" Color Display
 - Supports all Apple monitors
 - Supports a wide range of non-Apple monitors, including some 19" VGA, SVGA, NTSC, and PAL

Keyboard and Mouse

-
- Supports all Apple Desktop Bus keyboards
 - Apple Desktop Bus Mouse II

Clock/Calendar

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- Custom chip with long-life lithium battery

Electrical Requirements

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- Line voltage: 100 to 240 V AC, RMS automatically configured
 - Frequency: 50 to 60 Hz, single phase
 - Power: 303 W maximum, not including display power

ADB Power Requirements

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- Maximum current draw for all ADB devices: 500 mA (recommended maximum of three ADB devices)
 - Mouse draws 80 mA
 - Keyboard draws 25 to 80 mA, depending on the keyboard model used

Operating Environment

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- Operating temperature for a configuration with five 2GB hard drives: 50° to

95° F (10° to 35° C)

- Operating temperature for all other environments: 50° to 104° F (10° to 40° C)
- Storage temperature: -40° to 116.6° F (-40° to 47° C)
- Relative humidity: 20% to 80% noncondensing
- Maximum altitude: 10,000 ft. (3,048 m)

Size and Weight

----- Main unit:

- Height: 18.6 in. (47.3 cm)
- Width: 8.9 in. (22.4 cm)
- Depth: 20.6 in. (52.3 cm)
- Weight: 36 lb. 12 oz. (16.7 kg)*
* Weight will be greater with internal hard disks and additional internal storage devices.

Mouse:

- Height: 1.3 in. (3.3 cm)
- Width: 2.4 in. (6.2 cm)
- Depth: 4.2 in. (10.7 cm)
- Weight: 4.0 oz. (0.10 kg)

Article Change History -

17 February 1994 - Added data about updated Apple Workgroup Server 95 models; moved ordering information to the article titled "Apple Workgroup Server 95: Description"

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