Apple Workgroup Server 80: Specifications (3/93) (Discontinued)

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TOPIC ----------

This article provides specifications for the Apple Workgroup Server 80.

DISCUSSION ----------

Microprocessor

- MC68040, running at 33 MHz clock speed
- Integrated 33 MHz floating-point unit (FPU)
- Integral Paged Memory Management Unit (PMMU) and 8K cache architecture

Memory

- 8MB RAM on the logic board
- Four industry-standard 72-pin Single Inline Memory Module (SIMM) sockets allow expansion to 136MB
- Includes RAM disk software

Storage

- One built-in Apple SuperDrive 1.4MB floppy-disk drive
- Accommodates one full-height, 3.5-inch hard disk drive and one removable 3.5-inch device, such as an internal DDS-DC tape drive
- Accommodates one 5.25-inch, half-height device such as the AppleCD 300i internal CD-ROM drive

Video Display

- Supports all Apple displays
- Works with a wide range of third party displays, including some 19-inch, VGA, SVGA, NTSC, and PAL monitors

Interfaces

- Three internal NuBus 12-inch expansion slots
- One 68040 processor-direct slot
- SCSI interface for connecting up to six external devices

- AAUI Ethernet connector
- Two serial (RS-232/RS-422) ports, 230.4 Kbit/sec maximum (up to 0.920 Mbit/sec if clocked externally)
- One video port for color and monochrome displays of various sizes and resolutions
- One sound-output port for stereo playback from CDs and stereo playback of Macintosh sound
- One monaural sound-input port
- Two Apple Desktop Bus (ADB) ports for a keyboard, mouse, and other devices

Video RAM (VRAM)

- Can support up to 1024K
- 512K standard supports:
  - 32,768 colors on the Macintosh 12" 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 12" Monochrome Display
  - 16 shades of gray on the Macintosh Portrait Display (15")
  - 16 colors on the Macintosh 21" Color Display

Sound Generator

- Custom integrated circuit drives a stereo miniature headphone jack (22 kHz sample rate)

Keyboard and Mouse

- Several different ADB keyboards are available
- Apple Desktop Bus Mouse II

Clock/Calendar

- Custom integrated circuit with long-life lithium battery

Disability Access

- CloseView, Easy Access, and visible-beep software are built in. These and third-party options provide alternative input and output devices.

Power Requirements

- Line voltage: 100 to 240 V AC, RMS, automatically configured
- Frequency: 50 to 60 Hz, single phase
- Power: 200 W maximum, not including display power

ADB Power Requirements

- Maximum current draw for all ADB devices: 500 mA (recommended maximum of three ADB devices)
- Mouse draws 10 mA
- Keyboard draws 25 to 80 mA, depending on the model used

Size and Weight

Main unit:
• Height: 14.25 in. (30.6 cm)
• Width: 8.9 in. (19.6 cm)
• Depth: 16.0 in. (39.6 cm)
• Weight: 25.3 lb. (11.5 kg) varies with internal devices installed

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)

Operating Environment

• Operating temperature: 50° to 104° F (10° to 40° C)
• Storage temperature: -40° to 116.6° F (-40° to 47° C)
• Relative humidity: 5% to 95% noncondensing
• Maximum altitude: 10,000 ft. (3,048 m)

Ordering Information

Apple Workgroup Server 80 8/500/DDS-DC
• Apple Workgroup Server 80 computer with 8MB of RAM, built-in 1.4MB Apple SuperDrive, 500MB internal hard disk drive, and an internal digital data storage-data compression (DDS-DC) 4 mm tape drive
• Mouse
• System software, AppleShare 4.0 file and print server software, and Apple documentation viewer preloaded on hard drive
• AppleShare 4.0 file and print server software
• Complete on-line and hard-copy documentation
• Limited warranty statement

Other configurations
• 16MB RAM
• 1000MB (1GB) internal hard disk
• Internal AppleCD 300i CD-ROM drive

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