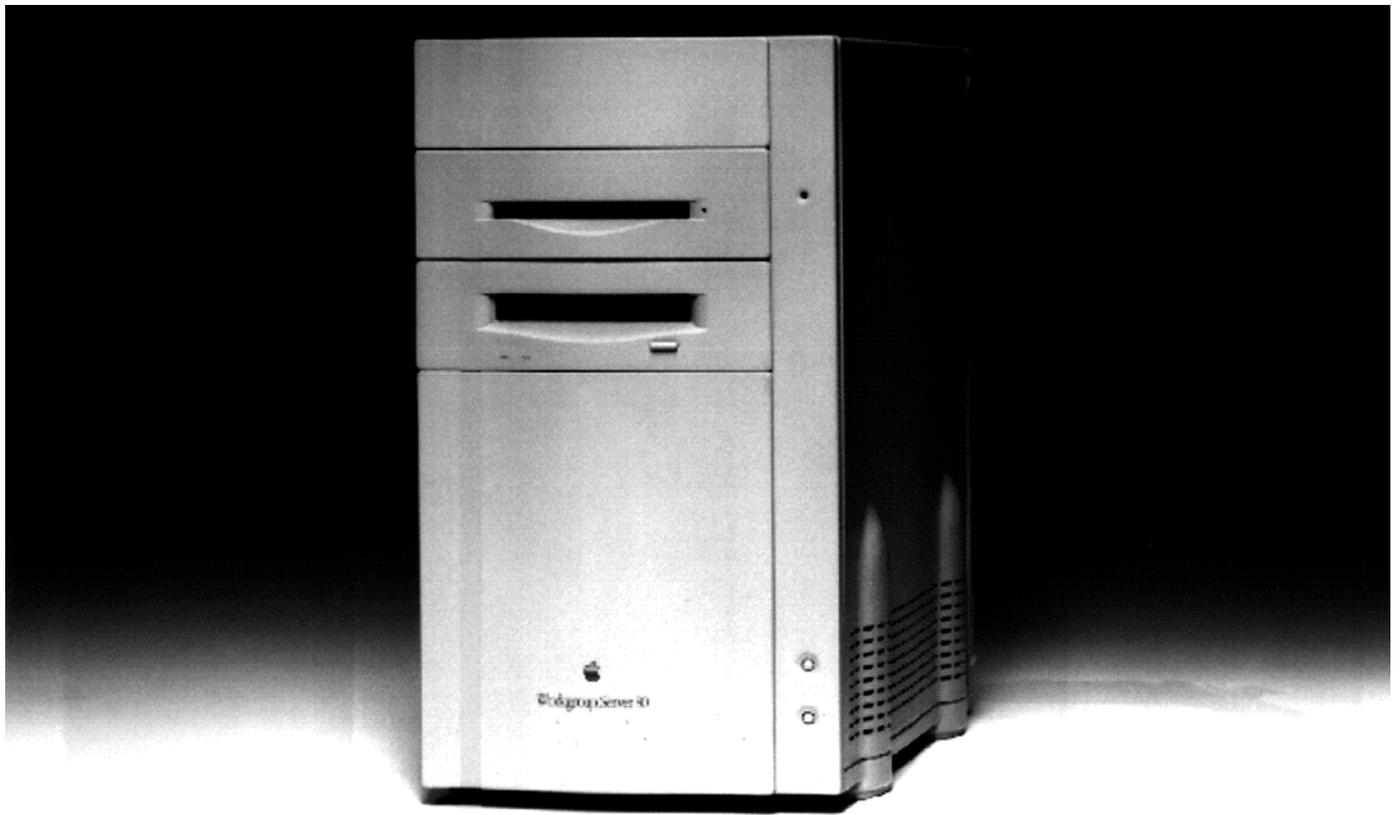




Apple Workgroup Server 80



The Apple Workgroup Server 80 provides the performance, reliability, scalability, and manageability you need to meet the requirements of medium-sized workgroups for file and print, workgroup database, or communications services. Representing the midrange of Apple's server family, this system is based on the fast 33-megahertz Motorola 68040 micro-processor. With on-board Ethernet and built-in AppleTalk networking capability, the Apple Workgroup Server 80 is ideal for up to 30 active users (that is, users simultaneously reading from and writing to the server). It can act as a communications server by running applications such as Apple's SNA•ps, MacX25, or MacX.400 gateway products, or the Apple Internet Router.

The Apple Workgroup Server 80 is expandable. You can add up to 136 MB of RAM, install up to three NuBus™ cards, and store up to three

additional high-capacity internal storage devices, such as an internal DDS-DC 4mm tape drive for backups. (The optional internal DDS-DC drive is included in the configuration pictured above.)

Apple servers continue the "plug and play" tradition established by the Macintosh. System 7 and high-performance AppleShare 4.0 file and print server software is preloaded, so installation takes just minutes. Because it's a snap to maintain, manage, reconfigure, and expand, over the long run the Apple Workgroup Server 80 offers the lowest cost of ownership in its class.

To provide a midrange file and print server solution for your business, to supply classroom-to-campus integration, or to meet other communications requirements, build your solutions around the Apple Workgroup Server 80.

Apple Workgroup Server 80 Features

Power and speed

- > 33 MHz 68040 processor
- > Integrated 33 MHz math coprocessor
- > 8K integrated cache

Memory

- > 8 MB of RAM, expandable to 136 MB

Display

- > Works with all Apple displays

Expansion

- > Room for three internal storage devices, such as the AppleCD 300i internal CD-ROM drive and internal DDS-DC 4mm tape drive
- > Three NuBus expansion slots
- > One inline 68040 processor-direct slot

Usability

- > Easy to set up, learn, use, and extend

System software

- > System 7 operating system
- > AppleShare 4.0 file and print server software

Networking

- > Built-in AppleTalk networking capability
- > On-board Ethernet capability

Compatibility

- > Reads Macintosh, MS-DOS, OS/2, and ProDOS floppy disk formats

Apple Workgroup Server 80

Technical Specifications

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

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

Mass storage devices

- > One built-in Apple SuperDrive 1.4 MB 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" 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 that drives a stereo miniature headphone jack (22 kHz sample rate)

Keyboard and mouse

- > Works with several ADB keyboards
- > Apple Desktop Bus Mouse II

Clock/calendar

- > Custom integrated circuit with long-life lithium battery

Disability access

- > CloseView, Easy Access, and visible-beep software is 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)

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)

**Weight will vary based on internal devices installed*

Operating environment

- > Operating temperature: 50°F to 104°F (10°C to 40°C)
- > Storage temperature: -40°F to 116.6°F (-40°C 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 8 MB of RAM, built-in 1.4 MB Apple SuperDrive, 500 MB 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

- > 16 MB of RAM
- > 1000 MB internal hard disk
- > Internal AppleCD 300i CD-ROM drive

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