Macintosh Server G3

Looking for the best server for your Macintosh community? The Macintosh Server G3 gives you high-speed processing and easy setup. And with e-mail, print sharing, and Internet and intranet services in one package, the Macintosh Server G3 is the affordable server for all your needs.

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Features

Powerful, robust hardware and software
- 350- or 400-MHz PowerPC G3 processor with 1MB of backside cache
- Support for up to 1GB of high-performance PC100 SDRAM
- One 7,200-rpm or two 10,000-rpm 9GB Ultra2 LVD SCSI hard disk drives
- 10/100BASE-T Ethernet connector for high-speed networking
- AppleShare IP 6.1 software for file transfers is more than twice as fast than Windows NT Server*

Easy installation, setup, and use
- Runs on the easiest-to-use operating system available: Mac OS 8.5
- Features preinstalled AppleShare IP software to get your server up and running right away
- Includes a new web-based tool for easy server management—both locally and remotely

Excellent network performance and administration
- Outperforms equivalent Windows NT Server configurations for Macintosh client connectivity*
- Supports Gigabit Ethernet for even better network performance
- Comes with Apple Network Assistant software for powerful help desk and systems management capabilities

*Based on performance tests conducted by Apple. Large (185MB) files were copied over 100-Mbps Ethernet from a 300-MHz Power Macintosh G3 client to two servers: a 400-MHz Macintosh Server G3 running AppleShare IP 6.1 and a 450-MHz Pentium II–based server running Windows NT Server 4.0.

The best server you can buy for your community of Macintosh users is now faster, easier to use, and more versatile than ever. The Macintosh Server G3 can exchange files with Macintosh clients more than twice as fast as systems running Windows NT Server.* It handles up to 500 simultaneous users and 18 million web connections per day. And because it supports multiplatform clients through the superior Macintosh interface, it's the easiest-to-use Macintosh and PC server you can buy.

In design or publishing, the Macintosh Server G3 is an easy-to-use and easy-to-administer system that frees you for more important tasks. Users will appreciate the speed with which they can exchange huge graphics and video files, and the help desk features that let you assist them remotely.

Educators faced with tight budgets also need servers that are easy to use and administer. Managing a computer lab is easy with the Macintosh Server G3 because you can reconfigure systems, distribute applications, and help users from one central location.

The Macintosh Server G3 offers powerful network services and administrative tools running on a fast PowerPC G3 processor. With plenty of RAM, high-capacity hard disks, FireWire and Universal Serial Bus (USB) ports for connecting peripherals, and preinstalled software, the Macintosh Server G3 is ready to work right out of the box.

AppleShare IP software features integrated file, print, mail, and web services. Version 6.1 is faster, more secure, and more versatile than ever. Native support for both Macintosh and Windows clients means that all your users can access its services seamlessly. Apple Network Assistant 3.5 software has the tools you need to provide user assistance, check system profiles, reconfigure system settings, and distribute applications—all from a central location, over both TCP/IP and AppleTalk networks. You also get SoftRAID software, which lets you stripe or mirror multiple hard disk volumes for maximum performance or data security.

The Macintosh Server G3: With its high performance, ease of use, and comprehensive services, it's the affordable server for all your needs.
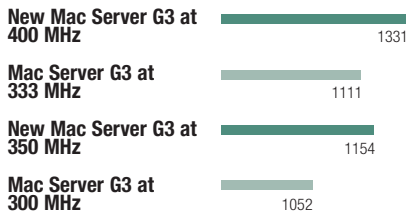
Performance Comparisons

Macintosh Server G3 MacBench 5.0 Comparison*

New Mac Server G3 at 400 MHz
1331

Mac Server G3 at 333 MHz
1111

New Mac Server G3 at 350 MHz
1154

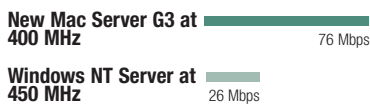**Mac Server G3 at 300 MHz**
1052

*Based on ZD's MacBench 5.0 processor performance tests. Actual performance on applications will vary. MacBench is a subsystem-level benchmark that measures the relative performance of Mac OS-based systems. MacBench 5.0 uses a base score of 1000 for the previous 300-MHz Power Macintosh G3.
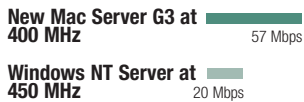
Network Performance*
More than twice as fast as Windows NT Server.

One Large File (185MB)

New Mac Server G3 at 400 MHz
76 Mbps

Windows NT Server at 450 MHz
26 Mbps

Folder of 96 Files (2MB each)

New Mac Server G3 at 400 MHz
57 Mbps

Windows NT Server at 450 MHz
20 Mbps

**Based on file copies from 300-MHz Power Macintosh G3 client to Macintosh Server G3 and Windows NT Server.

Technical Specifications

Processor
- 350- or 400-MHz PowerPC G3 processor
- 1MB backside level 2 cache on processor, running at 175 or 200 MHz depending on processor speed
- 100-MHz system bus

Memory
- 128MB or 256MB of PC100 SDRAM (3.3-volt, unbuffered, 64-bit-wide, 168-pin, running at 100 MHz)
- Four DIMM slots support up to 1GB of PC100 SDRAM using the following DIMMs:
—32MB, 64MB, or 128MB DIMMs (64-bit-wide, 64-Mbit technology)
—128MB or 256MB DIMMs (64-bit-wide, 128-Mbit technology)

Storage*
- One of the following hard disk drive configurations:
—One 9GB 7,200-rpm Ultra2 LVD SCSI drive with PCI card
—Two 9GB 10,000-rpm Ultra2 LVD SCSI drives with PCI card
- 24x-speed (maximum) CD-ROM drive
- One or two expansion bays for additional Ultra Wide SCSI or Ultra2 LVD SCSI drives

Interfaces
- Connectivity
—Two 400-Mbps FireWire ports
—Two 12-Mbps Universal Serial Bus (USB) ports
—Apple Desktop Bus (ADB) port (maximum current draw for all ADB devices is 500 mA)
- Communications
—Built-in 10/100BASE-T Ethernet connector (RJ-45)
- Expansion
—Four PCI slots: three 64-bit, 33-MHz slots (one of which contains the Ultra2 LVD SCSI card) and one 32-bit, 66-MHz slot (dedicated to the ATI RAGE 128 graphics card)
- Video
—15-pin mini D-Sub VGA connector and Macintosh-to-VGA adapter
- Sound
—Minijacks for 16-bit stereo audio input and output; 44.1-kHz sampling rate
—Built-in speaker

Keyboard and mouse
- Apple USB Keyboard and Apple USB Mouse

Electrical requirements
- Line voltage: 115V AC (90V to 132V AC) or 230V AC (180V to 264V AC)
- Frequency: 47 to 63 Hz, single phase
- Maximum continuous power (not including display): 200W

Environmental requirements
- Operating temperature: 50° to 104° F (10° to 40° C)
- Storage temperature: –40° to 116° F (–40° to 47° C)
- Relative humidity: 10% to 90% noncondensing
- Maximum altitude: 10,000 feet (3,048 m)

Size and weight
- Height: 17.0 inches (43.2 cm)
- Width: 8.9 inches (22.6 cm)
- Depth: 18.4 inches (46.7 cm)
- Weight: 28.7 pounds (13.0 kg)**

*Storage devices and number of available expansion bays vary among configurations; see Available Configurations chart for details. Other configurations are available as build-to-order options from the Apple Store.

**Varies depending on configuration. Example includes CD-ROM drive and Ultra2 LVD SCSI hard disk.

Available Configurations

Macintosh Server G3

Order no.	M6657LL/A	M6658LL/A
Processor speed	350 MHz	400 MHz
Memory (PC100 SDRAM)	128MB	256MB
Backside level 2 cache	1MB at 175 MHz	1MB at 200 MHz
Hard disk drive	One 9GB Ultra2 LVD SCSI (7,200 rpm)	Two 9GB Ultra2 LVD SCSI (10,000 rpm)
CD-ROM drive	24x speed (maximum)	24x speed (maximum)

All models also include:
- 10/100BASE-T Ethernet
- Four PCI slots, one containing the ATI RAGE 128 card with 16MB of graphics memory and one containing the single-channel Ultra2 LVD SCSI card
- Two FireWire ports
- Two USB ports
- Apple USB Keyboard and Mouse
- Macintosh-to-VGA monitor adapter
- Mac OS 8.5 (preinstalled)
- AppleShare IP 6.1 (preinstalled; unlimited-client license)
- Apple Network Assistant 3.5 (10-client license)
- SoftRAID 2.1.5
- Microsoft Internet Explorer (preinstalled)
- Netscape Navigator (preinstalled)
- Complete setup, learning, and reference documentation
- Limited warranty

Preinstalled software contains electronic documentation.
Bundled software provided on CD-ROM

Build-to-order (BTO) options
In addition to choosing from among Apple's prebuilt systems, you can order a custom-configured computer from your local reseller or the online Apple Store. This allows you to select from among the options listed below. For up-to-date information about options and availability, visit www.apple.com/store.
- Processor: PowerPC G3 running at 350 or 400 MHz
- Memory: 128MB, 256MB, 384MB, 512MB, 768MB, or 1GB
- Hard disk drive: 6GB or 12GB Ultra ATA; 9GB 7,200-rpm Ultra2 LVD SCSI with single- or dual-channel SCSI card; two or three 9GB 10,000-rpm Ultra2 LVD SCSI with single- or dual-channel SCSI card
- SCSI card with cable that supports standard SCSI, Fast Wide SCSI, and Ultra Wide SCSI (25- or 50-pin devices)

For More Information

For more information about these products, or to find out where to buy Apple products, visit www.apple.com on the World Wide Web or call 1-800-538-9696. To purchase these products from the Apple Store, go to www.apple.com/store.

Apple stands behind its products with world-class service and support. Offering quality parts, extended hardware service options, phone support, and support via the Internet, we provide you with support choices that meet your needs. For more information, visit www.apple.com/support.

Related Products

- Apple displays
— Apple Studio Display (15-inch); order no. M6356
— Apple Studio Display (17-inch; 16-inch viewable); order no. M6221
— Apple Studio Display (21-inch; 19.8-inch viewable); order no. M6204
- Third-party peripherals
— Imation SuperDisk drive
— LaCie external DDS-3 tape drive

For a list of compatible third-party products, visit www.macsoftware.apple.com.

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