



# Macintosh Server G3

The Macintosh Server G3 brings Apple's recent desktop system innovations into the server world. It builds on the features behind the stunning success of the Power Macintosh G3 computer line by offering additional capabilities designed to enhance workgroup efficiency, such as high-capacity storage and state-of-the-art collaboration, productivity, and reliability software. The result is a unique server solution combining high performance with ease of use and economy. In fact, with its low cost (and even lower cost of ownership relative to competitors), the Macintosh Server G3 is the ideal tool to help small to medium-size workgroups in education, publishing/media, and other businesses get the most from their information technology.

Servers from Apple are highly reliable systems with large storage capacity that provide organizations with faster, more efficient shared network services and secure centralized storage. The Macintosh Server G3 not only meets these criteria, but also runs the familiar graphical Mac OS, making all of its capabilities incredibly easy to use.

An affordable and versatile midrange server, the Macintosh Server G3 offers outstanding performance through its 300- or 333-megahertz PowerPC G3 processor. A new approach to cache memory called backside cache enables the Macintosh Server G3 to provide outstanding performance. The server also features a new logic board design with a faster system bus, to maximize its power—and your productivity.

The Macintosh Server G3 comes configured with AppleShare IP 6.0—software that makes it easy to incorporate this advanced server into your organizational intranet—and includes the Apple Network Administrator Toolkit, SoftRAID, and more.

The Macintosh Server G3: helping network managers and users to work even more efficiently and effectively.



## Features

### Affordable high performance with room to grow

- Is based on the PowerPC G3 processor, running at 300 or 333 MHz
- Provides three standard PCI expansion slots
- Supports up to two additional removable mass storage devices

### Bundled software

- Is configured with AppleShare IP 6.0 server software
- Includes the Apple Network Administrator Toolkit, SoftRAID, and more

### Ease of setup and use

- Comes with Mac OS 8.1
- Features the true plug-and-play capabilities that characterize Apple systems

### Outstanding networking support

- Includes 10/100BASE-T Ethernet as well as LocalTalk connectivity
- Supports TCP/IP and AppleTalk networking protocols

## Macintosh Server G3 Performance Comparisons

Based on MacBench Processor Scores\*

G3 at 333	1155
G3 at 300	1050

*\*Based on Apple internal testing using MacBench 4.0 processor performance scores. Actual performance on applications will vary. MacBench is a subsystem-level benchmark that measures the relative performance of Mac OS-based systems.*



# Macintosh Server G3

## Technical Specifications

### Processor and memory

- 300- or 333-MHz PowerPC G3 processor
- 1MB backside level 2 cache on processor module; 150- or 167-MHz dedicated 64-bit backside bus
- Integrated floating-point unit and 64K level 1 on-chip cache (32K for data and 32K for instruction)
- 66-MHz system bus
- 64MB or 128MB of SDRAM; three DIMM slots support up to 768MB with three 256MB SDRAM (128-bit wide) DIMMs
- 64-bit memory bus

### Storage

- Internal 1.44MB floppy disk drive
- One 4GB or two 9GB internal Ultra/Wide SCSI hard disk drives
- Internal 24x-speed (maximum) CD-ROM drive
- Expansion bays for additional removable storage devices: one or two 5.25-inch SCSI bays

### Interfaces

- Three PCI expansion slots compatible with PCI 2.1-compliant cards (two used, one for Fast Ethernet and one for Ultra/Wide SCSI)\*
- Two high-speed DMA serial (RS-232/RS-422) ports compatible with LocalTalk
- Two SCSI channels: one internal Ultra/Wide SCSI-3 (40 MBps) on PCI card; one internal/external standard SCSI-1 (5 MBps)
- Apple Desktop Bus (ADB) expansion port
- Minijacks for 16-bit stereo audio input and output; up to 44.1-kHz sampling rate
- DB-15 connector for monitor

## Ordering Information

For detailed information about currently available configurations, see the chart below. All models also include an internal 1.44MB floppy disk drive; keyboard and mouse; Mac OS 8.1; complete setup, learning, and reference documentation; and limited warranty. In addition, the following software has been preinstalled, configured, and tested with every Macintosh Server G3:

- Apple Network Administrator Toolkit network management software
- AppleShare IP 6.0 server software

### Networking

- Built-in 10BASE-T Ethernet connector
- 10/100BASE-T Fast Ethernet on PCI card
- Two serial ports for LocalTalk connections
- Software support for TCP/IP and AppleTalk networking through Open Transport software included in Mac OS 8.1

### Display support

- 2MB of SGRAM; supports up to 6MB
- Support for displays as large as 14 inches at up to millions of colors; 16- and 17-inch Apple displays at up to thousands of colors
- Support for most third-party displays as well as VGA and SVGA monitors

### Keyboard and mouse

- AppleDesign Keyboard
- ADB Mouse II
- Support for ADB keyboards with numeric keypads

### Clock/calendar

- Custom integrated circuit with long-life lithium battery

### Electrical requirements and agency approvals

- Line voltage: 100 to 125V AC or 200 to 240V AC, RMS single phase
- Frequency: 50 to 60 Hz, single phase
- Power: 171W maximum, not including display
- FCC Class B

### ADB power requirements

- Maximum current draw for all devices: 500 mA (maximum of three ADB devices recommended)
- Mouse draws 10 mA
- Keyboard draws 25 to 80 mA (varies with keyboard used)

### Environmental requirements

- Operating temperature: 50° to 95° F (10° to 35° C)
- Storage temperature: -40° to 116° F (-40° to 47° C)
- Relative humidity: 5% to 95% noncondensing
- Maximum altitude: 10,000 feet (3,048 m)

### Size and weight

- Height: 15.2 inches (38.6 cm)
- Width: 9.6 inches (24.3 cm)
- Depth: 17.8 inches (45.2 cm)
- Weight: 33.1 lb. (15.0 kg)—will vary based on configuration

*\*Single-function PCI cards are supported; limited support for multifunction PCI cards. Please contact card vendors for additional information.*

- SoftRAID volume management software
- Virex 5.8

### Build-to-order (BTO) options

In addition to choosing from among Apple's prebuilt systems (see Configurations chart), you can order a custom-configured computer from your local reseller or the online Apple Store. This allows you to select the processor speed, amount of RAM, hard disk drive capacity, and other features.

### For more information

For more information about these products, or to find out where to buy Apple products, visit [www.apple.com](http://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](http://www.apple.com/store).

## Configurations

Macintosh Server G3



Order no.

M6705LL/A

M6700LL/A

**Processor speed**  
**Memory (SDRAM)**  
**Backside level 2 cache**  
**Backside bus speed**  
**System bus speed**  
**Hard disk drive**  
**CD-ROM drive**  
**Graphics support**  
**Audio/Video capabilities**  
**Ethernet**

300 MHz  
 64MB; supports up to 768MB  
 1MB  
 150 MHz  
 66 MHz  
 4GB Ultra/Wide SCSI drive and PCI card  
 24x speed (maximum)  
 2MB SGRAM  
 Audio input/output  
 10BASE-T; 10/100BASE-T PCI card

333 MHz  
 128MB; supports up to 768MB  
 1MB  
 167 MHz  
 66 MHz  
 Two 9GB Ultra/Wide SCSI drives and PCI card  
 24x speed (maximum)  
 2MB SGRAM  
 Audio input/output  
 10BASE-T; 10/100BASE-T PCI card