DISCONTINUED

Features

Expansion and storage
- Four NuBus slots for expansion cards
- One processor-direct slot (PDS)
- One or two internal 1GB, 2GB, or 4GB hard disk drives
- Space for up to five internal 3.5-inch half-height hard disk drives (20GB total)
- Internal DDS-2 Digital Audio Tape (DAT) drive (some configurations)
- Internal quadruple-speed CD-ROM drive
- Two SCSI DMA buses to support up to 14 devices (7 internal, 7 external)
- Ten ports support a wide range of peripherals

Networking
- Built-in Ethernet and LocalTalk capabilities
- Support for AppleTalk and TCP/IP networking protocols
- Token Ring support optional (with NuBus card)

Power, speed, and memory
- 120-MHz PowerPC 601 RISC microprocessor with floating-point processor and 32K on-chip cache
- 1MB level-2 cache
- 16MB of RAM, expandable to 264MB

Features Built Into Every Workgroup Server

Fast, easy setup
- Comes with System 7.5.1 software installed
- Includes AppleShare 4.1 file and print server software (some configurations)

Compatibility
- Comes with AppleShare Client for Windows
- Can be ordered as part of the Apple Internet Server Solution for the World Wide Web

Bundled software
- Includes a variety of server administration and user productivity tools including Apple RAID Software and Retrospect Remote (with DAT drive configurations)

Service and support[1]
- Includes 24-hour telephone support
- Includes within-two-business-day, on-site service response
- Offers optional within-four-hour or next-business-day on-site service response

[1] *These services are available only in certain areas of the United States.*

[2] *Apple RAID mirroring or striping requires at least two disk drives.*

Mac OS For Windows

The Workgroup Server 9150/120 is the most expandable and powerful member of the PowerPC processor-based Workgroup Server family from Apple. It delivers file and print, database, Internet, and communications capabilities that meet the needs of growing workgroups in education, business, and publishing. And it's ideal for workgroups that use both Macintosh and Windows software-based computers.

Servers are high-performance, highly reliable systems that provide organizations with faster, more efficient shared network services and secure centralized storage. The Workgroup Server 9150/120 not only meets these criteria, it also runs the Mac OS, making all of its capabilities incredibly easy to use.

Featuring a 120-megahertz PowerPC 601 processor with on-chip and 1-megabyte level-2 cache, theWorkgroup Server 9150/120 delivers all the performance benefits of state-of-the-art RISC technology. This power is supported by two large-capacity hard disk drives for convenient, comprehensive storage with space for three more, and a quadruple-speed CD-ROM drive. And increased reliability is provided by a DAT drive, Retrospect Remote automatic server and client backup software, and Apple RAID (Redundant Array of Independent Disks) Software, which supports disk mirroring for increased data reliability and disk striping for improved performance.[2]

To make sure that you get the most out of all that power and capacity, the Workgroup Server 9150/120 comes with additional software. For users, there's everything from server-based contact management and scheduling software to solutions that allow work-groups to create, share, and review information electronically. For network managers, there's software to help manage application distribution and updates, server usage, and remote AppleShare administration. And the Workgroup Server 9150/120 includes AppleShare Client for Windows software, so Windows users on the network can access networked printers and files stored on a Workgroup Server running AppleShare file and print sharing software.

So if you need a high-performance server for a large and expanding workgroup, we have the solution: the powerful and expandable Workgroup Server 9150/120.

Ordering Information

**Workgroup Server 9150/120
(16MB/2 x 1GB/DAT/CD)**
Order No. M4064LL/A
• Workgroup Server 9150/120 with 16MB of
  RAM, 1MB level-2 cache, two 1GB hard disk
  drives, quadruple-speed CD-ROM drive,
  DDS-2 DAT drive, 1.4MB Apple SuperDrive
  floppy disk drive, and mouse
• System 7.5.1 and bundled software
• Power Macintosh Display Adapter

**Workgroup Server 9150/120
(16MB/2 x 1GB/DAT/CD) with AppleShare**
Order No. M4038LL/A
• Identical to the above configuration, with
  the addition of AppleShare 4.1 software

**Workgroup Server 9150/120
(16MB/2GB/CD)**
Order No. M4008LL/A
• Workgroup Server 9150/120 with 16MB of
  RAM, 1MB of level-2 cache, one 2GB hard
  disk drive, quadruple-speed CD-ROM drive,
  1.4MB Apple SuperDrive floppy disk drive,
  System 7.5.1, and bundled software

**Workgroup Server 9150/120
Build-to-Order**
Order No. M4041LL/A
• Base chassis includes 8MB of RAM, 1.4MB
  Apple SuperDrive floppy disk drive,
  quadruple-speed CD-ROM drive, System
  7.5.1 software, and Apple RAID Software

**Apple Internet Server Solution for the
World Wide Web 9150/120**
Order No. M4145LL/A
• Identical to Order No. M4064LL/A, but
  includes Apple Internet Server Solution
  software

Macintosh Memory Expansion Kits
A variety of memory expansion kits are available.
Check with your Apple reseller for details.

Apple Token Ring NB/c Card
Order No. M1769Z/A **(7-inch)**

Apple Token Ring/16 Card
Order No. M1769Z/A **(12-inch)**

Technical Specifications

Microprocessor
• PowerPC 601 RISC microprocessor running at 120 MHz
• Integrated floating-point unit and 32K on-chip cache
• 1MB level-2 cache; 256KB available in Build-to-
  Order configuration

Memory
• 16MB of RAM
• Can be expanded to up to 264MB of RAM

Drives
• Up to five internal 1GB, 2GB, or 4GB Apple hard
  disk drives
• One DDS-2 DAT drive (4GB uncompressed,
  10 to14GB compressed); some configurations
• One AppleCD 600i Plus CD-ROM drive
  (up to 600KB/s data-transfer rate)
• One Apple SuperDrive 1.4MB floppy disk drive that
  reads, writes, and formats Macintosh, Windows,
  MS-DOS, and OS/2 disks

Bundled software
Server administration tools
• FileWave—Automated software and data distribution
• Server Manager[3]—Remote AppleShare management
  tools
• Apple RAID Software—Disk striping and data
  mirroring
• Retrospect Remote[4]—Automated backup software
User productivity tools
• AppleShare Client for Windows—Enables Windows
  clients to connect to an AppleShare Server
• Now Contact—Contact management software
• Now Up•to•Date—Group scheduling software
• Viper Instant-Access—Cross-platform information
  retrieval system
• Adobe Acrobat Reader—Viewing application for
  portable document format (PDF) files. Note: The only
  software bundled with the 9150/120 when it is used
  as part of the Apple Internet Server Solution for the
  World Wide Web is Apple RAID Software, AppleShare
  Client for Windows, and Retrospect Remote

Displays
• Supports up to 14-inch Apple displays at
  32,768 colors, and 16- and 17-inch Apple
  displays at 256 colors
• Supports most third-party displays as well as
  VGA and SVGA monitors

Video support
• Built-in DRAM display support

[3] Only included in AppleShare configurations
[4] Only included in DAT drive configurations

Interfaces
• Four NuBus expansion slots
• One processor-direct slot
• One Apple Desktop Bus (ADB) port for a keyboard,
  mouse, and other device
• AAUI-15 Ethernet connector
• Two DMA serial (RS-232/RS-422) ports compatible
  with LocalTalk
• Two high-speed asynchronous SCSI DMA buses; one
  supports up to 7 external SCSI devices, the other
  supports up to 7 internal SCSI devices (for a total of 14)
• 16-bit stereo sound input and output ports
• DB-15 video port for display support

Networking
• Built-in Ethernet
• Two serial ports for LocalTalk
• Supports TCP/IP networking software with MacTCP

Clock/calendar
• Custom integrated circuit with long-life lithium battery

Disability access
• Easy Access and visible beep included with system
  software to provide alternative input and output
  devices for people with disabilities

Electrical requirements
• Line voltage: 100 to 240 volts AC, RMS single phase,
  automatically configured
• Frequency: 50 to 60 Hz, single phase
• Power: 303 W maximum, not including display

ADB power requirements
• Maximum current draw for all ADB devices: 500 mA
  (a maximum of three ADB devices is recommended)
• Mouse draws 10 mA
• Keyboard draws 25 to 80 mA
  (varies with keyboard model used)

Keyboard and mouse
• Supports ADB keyboards with numeric keypads
• ADB Mouse II included

Size and weight
• Height: 18.6 in. (47.3 cm)
• Width: 8.9 in. (22.4 cm)
• Depth: 20.6 in. (52.3 cm)
• Weight: 36.8 lb. (16.7 kg)
  (varies based on internal devices installed)

Operating environment
• Operating temperature: 50˚ to 95˚ F (10˚ to 35˚ 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)

Regulatory approval
• FCC Class A