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About Super Warehouse:

- Over 50,000 brand name computer hardware and software products
- Discount prices
- Friendly and knowledgeable staff
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- Proudly serve business, education, and government clients (we ship to APO/AP and AE addresses)
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- In business since 1997
- CNET certified merchant
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Snap Server 4500

Industry-Leading File Server Performance in a 1U Rack Mount Configuration

With over 130,000 servers shipped and over 50 Industry awards, Snap Appliance® is the undisputed leader in Network Attached Storage. The Snap Server® 4500

Features

1 TB, 720 GB and
480 GB Capacities

Pentium® 4 Processor

Hot-swappable
Disk Drives

Dual Gigabit Ethernet

Integrated CA eTrust
Antivirus Software

Server-to-Server (S2S)
Synchronization Software

Active Directory Service
(ADS) Integration

Backup Agent Support

Ultra2 SCSI for
Local Tape Backup

Snapshot Technology

offers up to a full terabyte of simple, cost-effective storage with industry-leading performance and an unbeatable feature set. Combine a low cost of acquisition with no downtime, remote administration, no client license fees, and minimal ongoing administration, it's easy to see why Snap Servers deliver capacity without complexity.

An Ideal Solution

The Snap Server 4500 is an ideal solution for:

- **Workgroup File Sharing** – Store large, frequently accessed files on a Snap Server to speed up performance of your application server(s).
 - **Nearline Storage** – Snap Servers are a simple, cost-effective way to consolidate less frequently accessed data and still provide instantaneous access unlike offline storage such as tape.
 - **Online Backup** – Use fast, disk-based Snap Servers as a target for daily backups of other servers to address shrinking backup windows.
 - **Remote Office Server** – Simple installation and Web-based management make Snap Servers ideal for remote sites with little or no IT support staff.
- **Desktop/Laptop Backup** – Every Snap Server includes an unlimited user license copy of PowerQuest DataKeeper software for automating backup and restore of Windows clients.



SnapAppliance™



CAPACITY WITHOUT COMPLEXITY

SnapAppliance™

Snap Appliance, Inc.
2001 Logic Drive
San Jose, CA 95124-3452
888-310-SNAP (7627)
International: 408-879-8700

Snap Server 4500 Specifications

Network Transport Protocols

- TCP/IP
- AppleTalk

Network File Protocols

- Microsoft Networks (CIFS/SMB)
- UNIX (NFS v3)
- Apple (AFP)
- Internet (HTTP 1.1)
- File Transport Protocol (FTP)

Network Client Types

- *Windows:* Microsoft 95/98/NT 4.0/2000/ME/XP
- *Macintosh:* System OS 8.x, 9.x, X.x
- *UNIX:* Solaris 7, 8, 9; HP-UX 11; AIX 4.3.3; SCO UnixWare 7.1.1; SCO OpenServer 5.0.5
- *Linux:* Red Hat 6.2, 7.2, 8.0

Server Emulation

- Windows 2000
- Windows NT 4.0
- AppleShare 6.0
- NFS 3.0
- DHCP

Network Security

- CA eTrust Antivirus Software
- Microsoft Active Directory Service (ADS)
- Kerberos Authentication v5
- Microsoft Dynamic DNS
- Microsoft Lightweight Directory Access Protocol (LDAP v3 client)
- Windows Domain Controller
- UNIX Network Information Service (NIS)
- File and Folder Access Control List (ACL) Security for Users and Groups
- Secure Sockets Layer (SSL) v3 128-bit Encryption
- Secure Shell (SSH)

System Management

- Browser-based user interface for remote system administration
- NASManager Client-based Setup Utility (Platform-independent)
- SNMP (MIB II and Host Resource MIB)
- User Disk Space Quotas for Windows, Macintosh and UNIX/Linux
- Group Disk Space Quotas for UNIX/Linux
- Environmental monitoring
- E-mail notification alerts

Network Connection

- Standard Dual Gigabit Ethernet (Auto-negotiating 10/100/1000)

Automatic IP Address Assignment

- Supports DHCP for automatic assignment of IP address

Multiple File System Options

- **RAID 5 (disk striping with parity):** The size of one disk is reserved for parity checking. With four drives, yields 357 GB usable capacity for the 480 GB model; 534 GB for the 720 GB model; and 742 GB for the 1 TB model
- **RAID 1 (disk mirroring):** Second drive duplicates the first drive for maximum data protection (50% usable capacity)
- **RAID 0 (disk striping):** Large, virtual drive with data striped across all drives of the array; no loss in usable capacity
- **Individual Independent Disks:** Four separate drives, each seen as a separate volume (JBOD)

Java Application Environment

- Enables the development of applications based on embedded Java technology

Data Protection

- **Snapshots:** Snapshot technology enables immediate or scheduled point-in-time image of the file system
- **Network Backup:** Compatible with VERITAS NetBackup/

Backup Exec, CA BrightStor ARCserve/Enterprise, Legato NetWorker, Syncsort Backup Express and Microsoft Backup Software for Windows 95/98/NT/2000/ME/XP; Compatible with Dantz Retrospect for Macintosh

Backup Agents

- Support for VERITAS NetBackup/Backup Exec, CA BrightStor ARCserve/Enterprise and Legato NetWorker

Local Backup

- Backup Express for GuardianOS with single tape drive support at no additional cost; Robotic tape library support optional

SCSI

- Ultra2 SCSI 68-pin LVD (standard on 1 TB and 720 GB; optional on 480 GB)

Client Backup

- PowerQuest DataKeeper software (unlimited user license) included for backup of Windows clients

Replication

- Server-to-Server (S2S) Synchronization software copies the contents of one or more source Snap Servers to one or more destination Snap Servers

UPS Support

- APC PowerChute for graceful system shutdown

Physical

- **Width:** 16.8 in. (42.7 cm)
- **Height:** 1.66 in. (4.2 cm), 1U
- **Depth:** 23 in. (58.4 cm)
- **Weight:** 28 lbs. (12.7 kg)

Agency Certifications

- UL, cUL, CE, FCC Class A, C-Tick, Nemko, TuV, BSMI

Processor

- 2.4GHz Pentium 4 with 512KB L2 Cache and 533MHz Front-Side System Bus

Memory

- Three (3) DIMM Sockets supporting a maximum of 3 GB
- 512 MB 100MHz DDR ECC SDRAM Standard

Power

- **Power Supply:** Single 250W
- **Power Rating:** 100-240 VAC, 50-60 Hz, auto-sensing
- **Input Current:** 3.0A (RMS) for 115 VAC, 1.5A (RMS) for 230 VAC
- **Power Consumption:** 90W (steady state); 162 W (maximum)

Heat Dissipation

- 307 BTUs/hr

Environmental limits, operating

- **Temperature:** 50° F to 95° F (10° C to 35° C)
- **Non-condensing humidity:** 20% to 80%
- **Vibration:** .25G at 10-300Hz random for 120 minutes
- **Shock:** 6 pulses of 33G for up to 2 ms
- **Altitude:** -50 ft to 10,000 ft (-16m to 3,048m)

Environmental limits, non-operating

- **Temperature:** 14° F to 140° F (-10° C to 60° C)
- **Non-condensing humidity:** 5% to 95%
- **Vibration:** 2G at 5-500Hz for 90 minutes
- **Altitude:** 0 ft to 35,000 ft (0m to 10,668m)

Worldwide Warranty

- Standard three-year limited warranty
- Snap Care® upgrades for Premium Warranty and On-site Service available for an additional charge

Models

- Snap Server 4500 480 GB
- Snap Server 4500 720 GB
- Snap Server 4500 1 TB

