Quantum®

Nearly a Terabyte of Cross-Platform File Sharing in a 3U Rack Mount Configuration

High Availability Storage for Less than Two Cents per Megabyte!

The Snap Server 12000, the largest Network Attached Storage (NAS) solution from Quantum, is ideal for business-critical storage in demanding IT environments.

Availability Hot-swappable hard drives along with redundant, hot-swappable power supplies and fans ensure system availability, while RAID 5 and global hot-spare capabilities guarantee data integrity.

Performance The Snap OS, with a footprint smaller than 10MB at runtime, has been optimized for network file sharing, making it fast and efficient with heavy user loads. Gigabit Ethernet connectivity ensures users quick access to data.

Cost Effective The Snap Server 12000 requires no operating system licenses and installs in minutes with no network downtime.

Ease of Management On-board access to vital system information is available via a liquid crystal display (LCD). Browser-based management console enables remote Web administration. SNMP support for seamless management through popular packages such as HP OpenView, CA Unicenter or Tivoli NetView.

Unsurpassed Network Connectivity Simultaneous file sharing between Windows, UNIX, Linux, Macintosh and Novell users.

Snap Server 12000 Solutions

Offload SAN Data/Increase Capacity of Expensive Application Servers Free up nearly a terabyte of expensive SAN or application server space by transferring non mission-critical data to a Snap Server 12000.

Client and Server Backup Free PowerQuest DataKeeper software (unlimited user license) allows automatic backup of Windows clients to the Snap Server. Use the Snap Server 12000 with the available Server-to-Server (S2S) Synchronization Software to back up other Snap Servers on your network.

Remote Storage Hosting Compact solution for service providers offers high availability, low cost of acquisition and conserves valuable IT floor space.

Snap Server 12000 Key Features

- Twelve Hot-swappable Hard Drives
- Redundant (N + 1), Hot-swappable Power Supplies and Fans
- Auto-sensing 10/100/Gigabit Ethernet
- User-, Share- and File-level Security
- SNMP Support
- Available On-site Service and Support
- Available Synchronization Software

Snap Server 12000/960

Network Transport Protocols

TCP/IP
IPX
NetBEUI
AppleTalk

Network File Protocols

Microsoft Networks (CIFS/SMB)
Novell NetWare (NCP)
UNIX (NFS)
Apple (AFP)
Internet (HTTP 1.0)
File Transport Protocol (FTP)

Network Security

Integrates with:
Microsoft Active Directory Service (ADS) participation[1]
Microsoft NT Domain Controller
Novell NetWare servers (Bindery)
Local Snap Server user list
User-, Share- and File-level Security
Secure Sockets Layer (SSL) v3

Network Client Types

Microsoft Windows 95/98/NT 4.0/2000/Me/XP
Novell IntraNetWare clients for Windows
Microsoft NetWare clients
Macintosh System 7.5.5, 7.6, OS 8.x, 9.x, X
Solaris 7, 8
HP-UX 11
AIX 4.3.3
SCO UnixWare 7.1.1
Red Hat Linux 6.2, 7.0, 7.1

Server Emulation

Windows 2000 participation[1]
Windows NT 4.0
NetWare 3.12
AppleShare 6.0
NFS 3.0

Network Connection

Auto-sensing 10/100/1000Base-TX, single RJ-45 network connector

Automatic IP Address Assignment

Supports DHCP, BOOTP and RARP for automatic assignment of IP address

Multiple File System Options

The Snap Server 12000 can be configured for enhanced performance or maximum file protection. Options include:

- **RAID 5 (disk striping with parity):** For each array, the size of one disk is reserved for parity checking. With two arrays of six disks, yields 750GB usable capacity for the Snap Server 12000/960GB (factory default).
- **RAID 1 (disk mirroring):** Second set of drives duplicates the first set for maximum data protection (50% usable capacity).
- **RAID 0 (disk striping):** Large, virtual drive with data striped across all drives of the array (maximum of eight drives per array). No loss in usable capacity.
- **Individual Independent Disks:** Twelve separate drives, each seen as a separate volume (JBOD).

System Management

Web-based Administration
SNMP MIB II
Disk Space Quotas
SMART Disk Failure Analysis
E-mail Notification

Setup and Configuration

Web-based User Interface for System Administration
Snap OS Interface Supports English (US/UK), French, German and Spanish

Application Environment

Enables the development of applications based on Java technology

Client Data Backup

PowerQuest DataKeeper Software (unlimited user license) included for Client Backup of Windows Files
DataKeeper Interface Supports English (US/UK), French, German and Spanish

Snap Server Network Backup

Compatible with Windows and NetWare Network Backup Software, including VERITAS Backup Exec, Computer Associates ARCserve, Dantz Retrospect and Microsoft Backup Software for Windows 95/98/NT/2000/Me/XP

Available Server-to-Server Synchronization Software

Allows one or more Snap Servers to synchronize to one or more other Snap Servers

Physical Specifications

Dimensions
Width ....17.0 in (43.2 cm)
Depth ....23.0 in (58.2 cm)
Height ....5.0 in (12.7 cm), 3U
Weight ....75.0 lbs (34.1 kg)

Agency Certifications

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

Power

Power Rating: 100-240 VAC, 50-60Hz, auto-sensing
Input Current: 5.0A (RMS) for 115VAC, 2.5A (RMS) for 230VAC
Power Consumption: 210W (steady state), 300W (maximum)
Heat Dissipation: 725 BTUs/hr

Operating Environment

50˚ F to 95˚ F (10˚ C to 35˚ C)
15% to 90% humidity (non-condensing)
Vibration: .25G at 5-500Hz for 120 minutes
Shock: 6 pulses of 33G for up to 2ms
Altitude: 0 ft to 8,000 ft (0m to 2,438m)

Non-operating Environment

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

North American Warranty

Three-year parts and labor limited warranty, plus free technical support and free OS upgrades
Available on-site support

Models

Snap Server 12000 960GB

For more information contact:

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