



SNAPserver® 620

Scalable Network Attached Storage

The Overland Storage® Snap Server® 620 is ideal for growing businesses with a wide variety of storage needs. The Snap Server 620 provides outstanding performance and ease of use in a 1U rackmount network attached storage (NAS) server that is scalable and flexible, to fit an array of storage needs and budgets. The Snap Server 620 provides up to 63 percent higher performance over the Snap Server 520. It is configured with four enterprise-class 15K RPM SAS drives for an initial capacity of 1.2 TB or four enterprise-class SATA II drives for an initial capacity of 1, 2, 3, or 4 TB and is expandable with up to 25.2 TB of SAS or an additional 84 TB of SATA storage. The Snap Server 620 supports RAID levels 0, 1, 5, 6, and 10 to keep your data safe and available.

Built for the Enterprise

Built on the award-winning GuardianOS™ platform, the Snap Server 620 includes many enterprise-class features, including the capability to be remotely monitored and managed, along with other Snap Servers, from a central seat using Snap Server Manager™ software. Running Snap Enterprise Data Replicator™ (Snap EDR) replication software, data can be continuously, securely, and efficiently moved between sites. As part of a backup-to-disk solution, the Snap Server 620 can be the backup server, storing backups on its hard drives—later transferring backups to a remote site for safety, or onto tapes for long-term archive.

High Availability

The Snap Server 620 was built for high availability, with features such as Ethernet teaming failover, hot-swappable drives, and the ability to boot from any drive. The Snap Server 620 also supports four drives and dual power supplies for additional availability and stability.

Right-Sized to Fit Your Needs

With the ability to scale from 1 TB to 88 TB of storage capacity, you can right-size your

storage environment by purchasing only what you need today, then expanding your system as your storage needs grow. With the ability to mix SAS and SATA, the Snap Server 620 also enables you to build a truly customized solution that fits your specific needs.

Integrated data protection

The Snap Server 620 can be configured for RAID 0, 1, 5, 6, or 10 and is integrated with a complete suite of data protection software, including the WorkGroup Edition of BakBone NetVault software with a 500 GB Virtual Tape Library license and CA eTrust Antivirus Software. The Snap Server 620 also supports most other popular third-party backup agents, so you can tailor your data protection, backup, and disaster recovery applications to your specific business needs.

Take your solution further with disaster recovery using StorAssure Personal Edition for automated backup of desktop and laptop systems, or Snap Enterprise Data Replicator (Snap EDR) for the secure movement and management of the business-critical data that resides at your remote locations.

Centralized management

The integrated Snap Server Manager software is ideal for businesses with limited IT staff by enabling geographically dispersed Snap Servers to be viewed and administered as local resources from one central location. A click of a mouse reveals in-depth information about storage assets and how they are being used.

Options

- ➔ A second hot-swappable power supply for redundancy
- ➔ SAS host bus adapter card for future expansion (included with 1.2 TB SAS model)
- ➔ Snap Enterprise Data Replicator™ (Snap EDR) software for enterprise-class data replication and disaster recovery
- ➔ StorAssure Personal Edition desktop backup software



- ➔ Capacities from 1 TB to 88 TB
- ➔ On-the-fly scalability with Instant Capacity Expansion™ (I.C.E)
- ➔ Hot-swappable disk drives
- ➔ Can be configured for RAID 0, 1, 5, 6, or 10 data protection
- ➔ Provides one of the fastest random data access speeds in its class for high-performance data protection
- ➔ Easy management and cross-platform support right out of the box; integrates seamlessly into Windows, Linux, UNIX and Apple environments
- ➔ Active Directory Service (ADS) Integration
- ➔ Unified block and file architecture enables the storage of block and file data on the same server
- ➔ Integrated CA eTrust Antivirus software
- ➔ Integrated BakBone NetVault software with upgraded 500GB virtual tape library license and five free clients
- ➔ Backup agent support
- ➔ Snapshot technology
- ➔ Dual GbE ports with Ethernet teaming for load balancing and port failover



SPECIFICATIONS

PHYSICAL	Width: 17.5 in (444.5 mm), Height: 1.75 in (44.45 mm) 1U, Depth: 29.25 in (743 mm), Weight: 40.0 lbs (18.2 kg) Note: 47 lbs (21.3 kg) is the shipping weight including shipping carton and accessories	
MOUNTING	Custom 19" rack mount slide rails included Minimum rack depth 32" (812.8mm)	
AGENCY CERTIFICATIONS	UL, cUL, CE, FCC Class A, TuV, Nemko	
PROCESSOR	Dual-core AMD Opteron processor with 1MB L2 cache and 1000MHz HyperTransport™	
MEMORY	2GB DDR 400 ECC RAM standard 4 DIMM sockets supporting up to 4GB DDR 400 ECC RAM	
DRIVE CONFIGURATION	4 x 300 GB Enterprise-Class 15K RPM hot-swappable SAS drives (1.2 TB raw capacity) 4 x 500 GB Enterprise-Class 7200 RPM hot-swappable SATA II drives (2 TB raw capacity) 4 x 750 GB Enterprise-Class 7200 RPM hot-swappable SATA II drives (3 TB raw capacity) 4 x 1 TB Enterprise-Class 7200 RPM hot-swappable SATA II drives (4 TB raw capacity)	
STANDARD LCD DISPLAY	Backlit, 2 line, 16 character with system ID, IP address	
NETWORK INTERFACE	Dual-Gigabit Ethernet Ports (autosensing 10/100/1000Base-T, dual RJ-45 network connections) Support for stand-alone, failover, and load balancing modes	
EXPANSION ARRAY INTERFACE	Optional Serial Attached SCSI host bus adapter for expansion (included with 1.2 TB SAS model) Supports up to 7 Snap Expansion JBOD arrays	
PCI-X EXPANSION CARD SUPPORT	Supports an additional full-height PCI-X expansion card	
LOCAL BACKUP INTERFACE	Ultra320 SCSI 68-pin LVD VHDCI (integrated)	
POWER Supply Rating Input Current Power Consumption Heat Dissipation	Single 400W supply; add a second hot-swappable 400W power supply for redundant failover 400W 100-240 VAC, 50-60Hz, autosensing 3.4A peak for 115VAC, 1.7A peak for 230VAC 390W peak 1057 BTUs/hr avg.	
ENVIRONMENTAL LIMITS Temperature Non-Condensing Humidity Vibration Shock Altitude	OPERATING 50° F to 95° F (10° C to 35° C) 20% to 80% 1G at 10-300Hz random for 120 minutes 6 pulses of 33G for up to 2ms 0 ft. to 10,000 ft (0 m to 3,048 m)	NON-OPERATING 14° F to 149° F (-10° C to 65° C) 5% to 95% 2G at 5-500Hz for 90 minutes 0 ft. to 35,000 ft. (0 m to 10,668 m)
INCLUDED WITH UNIT	European and US power cable 2 x Cat5 Ethernet cables Custom 19" rackmount slide rails GuardianOS and included features Evaluation licenses for optional software	
STANDARD WARRANTY	Snap Server products are covered by a three-year hardware limited warranty, return to factory. At the time of purchase, end-users in most areas can purchase up to three years of on-site maintenance coverage to enhance availability or extend services already provided during the warranty period. Snap Server products include either 30 or 90 days of software support and maintenance as part of the standard warranty. Support and maintenance on Snap Server software is available in one-year increments and is included in all on-site support upgrades. Specific details of the warranty period for your specific Snap Server model can be found on our web site.	

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