



SNAPserver® 620

Scalable Network Attached Storage

Enterprise features that a Small & Medium Business can afford

Snap Server® network attached storage (NAS) solutions offer exceptional price/performance for individuals, remote offices, workgroups, departments, and distributed enterprises. With legendary ease of use and "set it and forget it" reliability, Snap Servers minimize the demand for IT resources and lower the total overall cost of any storage solution. The Snap Server® 620 with one dual-core Opteron Processor is scalable, flexible and affordable, making it an ideal solution for growing businesses with a wide variety of storage needs.

Remote Data Protection & Data Replication

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

Built For High Availability

With features such as Ethernet teaming failover, hot-swappable drives, and the ability to boot from any drive in the system, the Snap Server 620 was designed for the small and medium enterprise (SME). The Snap Server 620 supports dual power supplies for additional availability and stability.

Right-Sized Storage to Fit Your Needs As Your Business Grows

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.

Data Protection You Can Trust

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 BakBone NetVault: Backup for GuardianOS with a 500 GB Virtual Tape Library license and CA Antivirus Software. The Snap Server 620 also supports 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 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 For Ease Of Use

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.



- Capacities up to 88 TB
- On-the-fly scalability with Instant Capacity Expansion™ (I.C.E)
- Integrates seamlessly into Windows, Linux, UNIX and Mac OS environments
- Unified block and file architecture enables the storage of block and file data on the same server
- Integrated Antivirus software
- BakBone NetVault: Backup for GuardianOS with 500 GB virtual tape library license and five free clients
- Backup agent support
- Snapshot technology
- Hot-swappable disk drives

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



SPECIFICATIONS

OPERATING SYSTEM	GuardianOS - For full software specifications, please refer to the GuardianOS Data Sheet	
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 250 GB Enterprise-Class 7200 RPM hot-swappable SATA II drives (1 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 (SAS HBA) 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	<p>Supply: Single 400W supply; add a second hot-swappable 400W power supply for redundant failover</p> <p>Rating: 400W 100-240 VAC, 50-60Hz, autosensing</p> <p>Input Current: 3.4A peak for 115VAC, 1.7A peak for 230VAC</p> <p>Power Consumption: 390W peak</p> <p>Heat Dissipation: 1057 BTUs/hr avg.</p>	
ENVIRONMENTAL LIMITS	<p>OPERATING</p> <p>Temperature: 50° F to 95° F (10° C to 35° C)</p> <p>Non-Condensing Humidity: 20% to 80%</p> <p>Vibration: 1G at 10-300Hz random for 120 minutes</p> <p>Shock: 6 pulses of 33G for up to 2ms</p> <p>Altitude: 0 ft. to 10,000 ft (0 m to 3,048 m)</p>	<p>NON-OPERATING</p> <p>Temperature: 14° F to 149° F (-10° C to 65° C)</p> <p>Humidity: 5% to 95%</p> <p>Vibration: 2G at 5-500Hz for 90 minutes</p> <p>Altitude: 0 ft. to 35,000 ft. (0 m to 10,668 m)</p>
INCLUDED WITH UNIT	<p>European and US power cable</p> <p>2 x Cat5 Ethernet cables</p> <p>Custom 19" rackmount slide rails</p> <p>GuardianOS and included features</p> <p>Evaluation licenses for optional software</p>	
STANDARD WARRANTY	<p>Snap Server products are covered by a two-year limited warranty including return to factory hardware support, operating system updates and telephone support. Snap Server systems are eligible for enhanced Overland CARE maintenance options to augment the standard limited warranty. Specially priced 5-year Overland CARE support upgrades are available to protect your investment for the life of the product. Support coverage of all Snap Expansion units must be purchased separately and run concurrently with the primary Unit.</p> <p>For more information about Overland Storage services, please contact your reseller, call Overland Storage at 1-800-442-7274 or visit us online at: www.overlandstorage.com.</p> <p>http://www.overlandstorage.com/support/service_programs.html for full details of all of our service programs.</p>	

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