



# SNAPserver® 520

Scalable Rackmount RAID 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® 520 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 520 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 520 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 520 was designed for the small and medium enterprise (SME). The Snap Server 520 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 520 also enables you to build a truly customized solution that fits your specific needs.

## Data Protection You Can Trust

The Snap Server 520 can be configured for RAID 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 520 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)™
- Unified block and file architecture enables the storage of block and file data on the same server
- Integrated CA Antivirus software
- Integrated BakBone NetVault: Backup for GuardianOS with 500GB virtual tape library license and five free clients
- Backup agent support
- Snapshot technology

### Options

- Dual hot-swappable power supplies
- SAS host bus adapter card for future expansion
- Snap Enterprise Data Replicator™ (Snap EDR) software for enterprise-class data replication and disaster recovery



## SPECIFICATIONS

<b>OPERATING SYSTEM</b>	GuardianOS - For full software specifications, please refer to the GuardianOS Data Sheet	
<b>PHYSICAL</b>	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)	
<b>MOUNTING</b>	Custom 19" rack mount slide rails included Minimum rack depth 32" (812.8mm)	
<b>AGENCY CERTIFICATIONS</b>	UL, cUL, CE, FCC Class A, TuV, Nemko	
<b>PROCESSOR</b>	AMD Opteron processor, with 1MB L2 cache and 1000MHz HyperTransport™	
<b>MEMORY</b>	1GB DDR 1 400 ECC RAM standard 4 DIMM sockets supporting up to 4GB DDR 1 400 ECC RAM	
<b>DRIVE CONFIGURATION</b>	4 x 250GB 7200 RPM hot-swappable SATA II drives (1TB raw capacity) 4 x 500GB 7200 RPM hot-swappable SATA II drives (2TB raw capacity) 4 x 750GB 7200 RPM hot-swappable SATA II drives (3TB raw capacity) 4 x 1TB 7200 RPM hot-swappable SATA II drives (4TB raw capacity)	
<b>STANDARD LCD DISPLAY</b>	Backlit, 2 line, 16 character with system ID, IP address	
<b>NETWORK INTERFACE</b>	Dual-Gigabit Ethernet Ports (autosensing 10/100/1000Base-T, dual RJ-45 network connections) Support for stand-alone, failover, and load balancing modes	
<b>EXPANSION ARRAY INTERFACE</b>	Requires optional Serial Attached SCSI host bus adapter (SAS HBA) for expansion Supports up to 7 Snap Expansion S50 JBOD arrays	
<b>PCI-X EXPANSION CARD SUPPORT</b>	Supports an additional full-height PCI-X expansion card	
<b>LOCAL BACKUP INTERFACE</b>	Ultra320 SCSI 68-pin LVD VHDCI (integrated)	
<b>POWER</b>	<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>	
<b>ENVIRONMENTAL LIMITS</b>	<p><b>OPERATING</b></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><b>NON-OPERATING</b></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>
<b>INCLUDED WITH UNIT</b>	<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>	
<b>WORLDWIDE WARRANTY</b>	<p>Snap Server hardware and software are backed by world-class service and support to protect your investment from downtime. With Overland Storage services for Snap Servers, you have complete peace of mind. Standard services with the Snap Server 520 include:</p> <ul style="list-style-type: none"> <li>• Two-year limited hardware warranty, return to depot</li> <li>• 90-day software support</li> </ul>	

## Optional Support Programs

Today's mission-critical environments require maximum uptime and rapid resolution should problems arise. Overland Storage provides a comprehensive suite of service and support upgrade options created to help you protect your business operations. Providing additional levels of technical service and support, Overland Storage services extend the standard protection packages already included with all Snap Server products. From extending your warranty phone support to complete onsite support for same day recovery, you can select the level of support that best fits your business and resource requirements. 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](http://www.overlandstorage.com).

### WORLDWIDE HEADQUARTERS

4820 Overland Avenue  
San Diego, CA 92123 USA

TEL 1-800-729-8725

1-858-571-5555

FAX 1-858-571-3664

EMAIL [Sales@overlandstorage.com](mailto:Sales@overlandstorage.com)  
[www.overlandstorage.com](http://www.overlandstorage.com)

### UNITED KINGDOM (EMEA OFFICE)

Overland House, Ashville Way  
Wokingham, Berkshire

RG41 2PL England

TEL +44 (0) 118-9898000

FAX +44 (0) 118-9891897

EMAIL [europe@overlandstorage.com](mailto:europe@overlandstorage.com)

### FRANCE OFFICE

Overland Storage  
88 ter avenue du General Leclerc

92100 Boulogne Billancourt

France

TEL +33 (0) 1 74311070

FAX +33 (0) 1 74311131

EMAIL [europe@overlandstorage.com](mailto:europe@overlandstorage.com)

### GERMANY OFFICE

Wilhelm-Wagenfeld-Strasse 28  
D-80807 München

Germany

TEL +49-89-329890-800

FAX +49-89-329890-899

EMAIL [europe@overlandstorage.com](mailto:europe@overlandstorage.com)

### ASIA PACIFIC OFFICE

Overland Storage  
Level 44, Suntec Tower Three

8 Temasek Boulevard

Singapore 038988

TEL +65 6866-3848

FAX +65 6866-3838

EMAIL [asia@overlandstorage.com](mailto:asia@overlandstorage.com)