

Snap Server<sup>®</sup> 520

Scalable Rackmount RAID Storage

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SNAPserver<sup>®</sup> 520

The Overland Storage<sup>®</sup> Snap Server<sup>®</sup> 520 is ideal for growing businesses with a wide variety of storage needs. The Snap Server 520 provides outstanding performance and ease of use in a 1U rackmount network attached storage (NAS) system that is scalable and flexible, to fit an array of storage needs and budgets. It is configured with 4 SATA II drives for an initial capacity of 1, 2, 3, or 4TB and is expandable with up to 25.2TB of SAS or an additional 84TB of SATA storage. The Snap Server 520 supports RAID levels 1 and 5 to keep your data safe.

### Built for the Enterprise

Built on the award-winning GuardianOS<sup>™</sup> platform, the Snap Server 520 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<sup>™</sup> software. Running Snap Enterprise Data Replicator<sup>™</sup> (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 520 can be the backup server, storing backups on its hard drives, and later transferring backups to a remote site for safety, or onto tapes for long term archive.

### Availability

The Snap Server 520 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 520 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 1TB to 88TB 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.

### Integrated Data Protection

The Snap Server 520 can be configured for RAID 1 or RAID 5 and is integrated with a complete suite of data protection software, including the WorkGroup Edition of BakBone NetVault Server with a 500GB Virtual Tape Library license and CA eTrust Antivirus Software. The Snap Server 520 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

- Dual hot-swappable power supplies  
SAS host bus adapter card for future expansion
- Snap Enterprise Data Replicator<sup>™</sup> (Snap EDR) software for enterprise-class data replication and disaster recovery
- StorAssure Personal Edition desktop backup software



- Capacities ranging from 1TB to 88TB
- On-the-fly scalability with Instant Capacity Expansion (I.C.E)<sup>™</sup>
- Hot-swappable disk drives
- Can be configured for RAID 1 or 5 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
- Backup agent support
- Snapshot technology
- Dual gigabit Ethernet ports with Ethernet teaming for load balancing and port failover

## SPECIFICATIONS

<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 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>	Single 400W supply; add a second hot-swappable 400W power supply for redundant failover	
Supply	400W 100-240 VAC, 50-60Hz, autosensing	
Rating	3.4A peak for 115VAC, 1.7A peak for 230VAC	
Input Current	390W peak	
Power Consumption	1057 BTUs/hr avg.	
Heat Dissipation		
<b>ENVIRONMENTAL LIMITS</b>	<b>OPERATING</b>	<b>NON-OPERATING</b>
Temperature	50° F to 95° F (10° C to 35° C)	14° F to 149° F (-10° C to 65° C)
Non-Condensing Humidity	20% to 80%	5% to 95%
Vibration	1G at 10-300Hz random for 120 minutes	2G at 5-500Hz for 90 minutes
Shock	6 pulses of 33G for up to 2ms	
Altitude	0 ft. to 10,000 ft (0 m to 3,048 m)	0 ft. to 35,000 ft. (0 m to 10,668 m)
<b>INCLUDED WITH UNIT</b>	European and US power cable 2 x Cat5 Ethernet cables Custom 19" rackmount slide rails GuardianOS and included features Evaluation licenses for optional software	
<b>WORLDWIDE WARRANTY</b>	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: <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.snapserver.com](http://www.snapserver.com).

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