



## Highest Performance Scalable Rackmount RAID Storage

# SNAPserver® 650

The Overland Storage® Snap Server® 650 is ideal for growing businesses with high-performance storage needs. The Snap Server 650 provides best-in-class performance and ease of use in a 1U rackmount NAS system that is scalable and flexible, to satisfy mission-critical storage needs. It is configured with four high-performance SAS drives for an initial capacity of 1.2TB and is expandable with up to an additional 25.2TB of SAS or 84TB of SATA storage. The Snap Server 650 supports RAID levels 1 and 5 to keep your data safe.

### Built for the Enterprise

Built on the award-winning GuardianOS™ platform, the Snap Server 650 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 650 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 650 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 650 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 85.2TB 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 650 also enables you to build a truly customized solution that fits your specific needs.

### Integrated Data Protection

The Snap Server 650 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 650 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

- ➔ Snap Enterprise Data Replicator™ (Snap EDR) software for enterprise-class data replication and disaster recovery
- ➔ StorAssure Personal Edition desktop backup software



- ➔ Capacities ranging from 1.2TB to 85.2TB
- ➔ On-the-fly scalability with Instant Capacity Expansion (I.C.E.)™
- ➔ 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 hot-swappable power supplies
- ➔ Dual gigabit Ethernet ports with Ethernet teaming for load balancing and port failover, and an integrated SAS host bus adapter card for future expansion

## 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) Note: 47 lbs (21.3 kg) is the shipping weight including shipping carton and accessories	
<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>	Two dual-core AMD Opteron processors, with 1MB L2 cache and 1000MHz HyperTransport™	
<b>MEMORY</b>	2GB DDR 400 ECC RAM standard 4 DIMM sockets supporting up to 4GB DDR 400 ECC RAM	
<b>DRIVE CONFIGURATION</b>	4 x 300GB 15K RPM hot-swappable SAS drives (1.2TB 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>	Includes optional Serial Attached SCSI host bus adapter for expansion Supports up to 7 Snap Expansion S50 JBOD arrays	
<b>LOCAL BACKUP INTERFACE</b>	Ultra320 SCSI 68-pin LVD VHDCI (integrated)	
<b>POWER</b> Supply Rating Input Current Power Consumption Heat Dissipation	Dual hot-swap 400W supply (standard) 400W 100-240 VAC, 50-60Hz, autosensing 3.4A peak for 115VAC, 1.7A peak for 230VAC 390W peak 1057 BTUs/hr avg.	
<b>ENVIRONMENTAL LIMITS</b> Temperature Non-Condensing Humidity Vibration Shock Altitude	<b>OPERATING</b> 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)	<b>NON-OPERATING</b> 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)
<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 650 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.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)

### 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)