

SnapServer® NAS 650

Highest Performance Scalable Network Attached Storage

Besides its people, a company's data is one of its most critical assets. Keeping that data stored, accessible and secure has become complex and expensive as companies are faced with massive data growth, increasingly stringent regulatory requirements and distributed environments that can range from across-the-hall to across-the-globe. Overland Storage® recognizes the need for businesses to do more—with less, and offers effortless data management and protection solutions. The SnapServer® NAS 650 with two dual-core Opteron Processors is scalable, flexible and affordable, making it an ideal solution for growing businesses with a wide variety of storage needs.

Smart

Built on the award-winning GuardianOS™ platform, the SnapServer NAS 650 offers enterprise-class features, including the capability to be remotely monitored and managed along with other SnapServers using SnapServer Manager™ software. The integrated SnapServer Manager software is ideal for businesses with limited IT staff by enabling geographically dispersed SnapServers to be viewed and administered as local resources from one central location.

Safe

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 SnapServer NAS 650 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. Integrated with a complete suite of data protection software and including support for other third-party backup agents, the SnapServer NAS 650 offers effortless data protection, backup and disaster recovery solutions.

Simple

The SnapServer NAS 650 easily serves data to both file-and-block based Windows, Linux, Unix and Mac OS Clients. With the SnapServer NAS 650, you can easily store database, email, and file-level data on a single server. The iSCSI support in the GuardianOS platform allows you to securely manage, store, and distribute block data across your Ethernet network using industry-standard iSCSI initiators.

Scalable

With the ability to scale from 1TB to 169.2 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. The SnapServer NAS 650 can also mix SAS and SATA, enabling you to build a truly customized solution that fits your specific needs.

Reliable

With features such as Ethernet teaming failover, hot-swappable drives, and the ability to boot from any drive in the system, the SnapServer NAS 650 was built for high availability. The SnapServer NAS 650 includes dual power supplies for additional availability and stability and can be configured for RAID 0, 1, 5, 6, or 10.








Highlights

- Simple, stable, and secure
- Integrates seamlessly into Windows, Linux, UNIX and Mac OS environments
- Active Directory Service (ADS) integration
- Unified block and file architecture enables the storage of block and file data on the same server with optional iSCSI support
- CA Antivirus software
- Snapshot technology
- Backup agent support
- Snap Enterprise Data Replicator™ software for data replication and disaster recovery
- Capacities up to 169.2TB



Specifications

Operating System	GuardianOS - For full software specifications, please refer to the GuardianOS Data Sheet
Management	Wizard-based Installation, Volume Usage Statistics, Event Log, Email Notification, Administrator Authentication, Remote Management, Multi-Server Monitoring and Visualization with SnapServer Manager
RAID Levels Data Protection -	RAID Levels 0, 1, 5, 6, 10
Snapshot & Replication	Snapshot included with VSS provider for Windows; Replication Optional
CPU & Memory	Two dual-core AMD Opteron processors, with 1MB L2 cache and 1000MHz HyperTransport™, 2GB DDR 400 ECC RAM standard, 4 DIMM sockets supporting up to 4GB DDR 400 ECC RAM
Standard LCD Display	Backlit, 2 line, 16 character with system ID, IP address
Drive Configuration	4 x 300GB 15K RPM hot-swappable SAS drives (1.2TB raw capacity)
VMware Support	VMware Ready
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
USB Interface	Support for APC brand UPS; tape devices; and Printers over USB
Expansion Array Interface	Includes Serial Attached SCSI host bus adapter (SAS HBA) for expansion Supports up to 7 SnapServer Expansion S50 JBOD arrays
Local Backup Interface	Ultra320 SCSI 68-pin LVD VHDCI (integrated) or USB 2.0
Physical/Mounting	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) Custom 19" rack mount slide rails included, Minimum rack depth 32" (812.8mm) Note: 47 lbs (21.3 kg) is the shipping weight including shipping carton and accessories
Agency Approvals	UL, cUL, CE, FCC Class A, TuV, Nemko     
Power	800W auto ranging, hot swappable modules (1+1 Redundant), 100-240VAC, 50-60Hz, 10 - 4 Amp\
Environmental Limits	Operating Temperature Range: 10° C to 35°C (50° to 95° F), Operating Humidity Range: 8% - 90% non-condensing Operating Altitude: -200 ft. to 10,000 ft. (0m to 3,048m)
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	SnapServer NAS systems are covered by a two-year limited warranty including return to factory hardware support, operating system updates and telephone support. SnapServer NAS systems are eligible for enhanced Overland CARE maintenance options to augment the standard limited warranty. Specially priced 3-year Overland CARE support upgrades are available to protect your investment for the life of the product. Support for SnapServer Expansion S50 JBOD units must be purchased separately and run concurrently with the primary Unit. 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 .



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