



# SnapServer® 620

Flexible, 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. SnapServer® 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.

## Smart

Built on the award-winning GuardianOS™ platform, the SnapServer 620 offers enterprise-class features, including the remote monitoring and management of other SnapServers, using SnapServer Manager™ software. The integrated SnapServer Manager software is ideal for businesses with limited IT staff as it enables geographically dispersed SnapServers to be viewed and administered as local resources from one central location.

## Safe

Integrated with a complete suite of data protection software including snapshots, replication, and support for third-party backup agents, the SnapServer 620 offers effortless protection, backup and disaster recovery for your valuable data.

## Simple

The SnapServer 620 easily serves data to both file-and-block based Windows, Linux, Unix and Mac OS Clients. With the SnapServer 620, 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 1.2TB to 176TB 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 SnapServer 620 also enables 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 620 was built for high availability. The SnapServer 620 supports 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
- Supports RAID 0, 1, 5, 6, and 10
- 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
- Scales up to 176TB

## Specifications

<b>Operating System</b>	GuardianOS - For full software specifications, please refer to the GuardianOS Data Sheet
<b>Management</b>	Wizard-based Installation, Volume Usage Statistics, Event Log, Email Notification, Administrator Authentication, Remote Management, Multi-Server Monitoring and Visualization with SnapServer Manager
<b>RAID Levels Data Protection</b>	RAID Levels 0, 1, 5, 6, and 10
<b>Snapshot and Replication</b>	Snapshot included with VSS provider for Windows; Replication Optional
<b>CPU and Memory</b>	Dual-core AMD Opteron processor with 1MB L2 cache and 1000MHz HyperTransport™, 2GB DDR 400 ECC RAM standard, 4 DIMM sockets supporting up to 4GB DDR 400 ECC RAM
<b>Standard LCD Display</b>	Backlit, 2 line, 16 character with system ID, IP address
<b>Drive Configuration</b>	4 x 300GB Enterprise-Class 15K RPM hot-swappable SAS drives (1.2TB raw capacity), 4 x 250GB Enterprise-Class 7200 RPM hot-swappable SATA II drives (1TB raw capacity), 4 x 500GB Enterprise-Class 7200 RPM hot-swappable SATA II drives (2TB raw capacity), 4 x 750GB Enterprise-Class 7200 RPM hot-swappable SATA II drives (3TB raw capacity), 4 x 1TB Enterprise-Class 7200 RPM hot-swappable SATA II drives (4TB raw capacity), 4 x 2TB Enterprise-Class 7200 RPM hot-swappable SATA II drives (8TB raw capacity)
<b>VMware Support</b>	VMware Ready
<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>USB Interface</b>	Support for APC brand UPS; tape devices; and Printers over USB
<b>Expansion Array Interface</b>	Optional Serial Attached SCSI host bus adapter (SAS HBA) for expansion (included with 1.2TB SAS model) Supports up to 7 SnapServer 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>	USB 2.0, Ultra320 SCSI 68-pin LVD VHDCI (optional)
<b>Physical/Mounting</b>	Custom 19 in rack mount slide rails included Minimum rack depth 32 in (812.8 mm)
<b>Agency Approvals</b>	UL, cUL, CE, FCC Class A, TuV, Nemko    
<b>Power</b>	Single 400W supply; add a second hot-swappable 400W power supply for redundant failover, 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>	Operating Temperature Range: 50° F to 95° F (10° C to 35° C), Non-Condensing Humidity Range: 20% - 80%, Operating Vibration: 1G at 10-300Hz random for 120 minutes, Operating Shock: 6 pulses of 33G for up to 2ms, Operating Altitude: 0 ft. to 10,000 ft (0 m to 3,048 m), Non-Operating Temperature Range: 14° F to 149° F (-10° C to 65° C), Non-Condensing Humidity Range: 5% to 95%, Non-Operating Vibration: 2G at 5-500Hz for 90 minutes, Operating Altitude: 0 ft. to 35,000 ft. (0 m to 10,668 m)
<b>Included with Unit</b>	European and US power cable, 2 x Cat 5 Ethernet cables, Custom 19 in rackmount slide rails, GuardianOS and included features, Evaluation licenses for optional software
<b>Standard Warranty</b>	SnapServer systems are covered by a two-year limited warranty including return to factory hardware support, operating system updates and telephone support. SnapServer 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: <a href="http://www.overlandstorage.com">www.overlandstorage.com</a> .



### Corporate:

Tel: 1.800.729.8725  
Tel: +1.858.571.5555

### Sales:

Tel: 1.888.343.7627 (US)  
Tel: +1.858.571.5555 (Int'l)

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