



snapserver

Datasheet

SnapServer Family (XSD & XSR)

Simple, expandable enterprise storage for high-performing resilient environments



XSD40 (Desktop)

- 4 drive bays
- Max capacity 48TB
- For small office / ROBO (Quiet system)



XSR40 (1U)

- 4 drive bays
- Max capacity 480TB with 3 expansion units
- For small office environments and moderate data growth



XSR120 (2U)

- 12 drive bays
- Max capacity 1.3PB with 7 expansion units
- For SMB and large enterprises with significant data growth

FEATURES:

- DynamicRAID® lets you mix and match drives easily. Grow and shrink your volumes on demand with thin provisioning
- Snap ECR (Encrypted Continuous Replication) provides file level differential replication between multiple SnapServers using 4096-bit RSA asymmetric key encryption
- Snap EDR provides replication between heterogeneous operating systems such as GuardianOS, Windows, Linux, and UNIX
- Seamlessly integrate into your existing Windows Active Directory domains to authenticate Windows or macOS users or systems
- GuardianOS allows for easy management through a single web interface with step-by-step configurations
- Support for third-party backup applications such as VEEAM and Backup Exec

EXPANDABLE STORAGE:

The HVE SnapServer family of products allows for seamless expansion of volumes with DynamicRAID® and thin provisioning. Drives of different capacities can be mixed and matched without wasting space. Volumes can be created within seconds with only a few clicks of the mouse causing no downtime or business disruption. Acquisition costs are reduced and growth is carefully managed through “just-in-time” storage. The HVE SnapServer reduces the total cost of ownership due to value-for-price and expandable storage models.

REPLICATION:

HVE SnapServer offers a cost-effective solution for disaster recovery and business continuity. Customers can always feel secure with HVE SnapServer data replication solutions:

- Snap ECR (Encrypted Continuous Replication) offers ongoing wire-speed file replication of user volumes between any number of SnapServers using strong, military-grade 4096-bit RSA asymmetric encryption. After the initial full replication of a volume, files are queued for immediate replication when changed, and only file differences are replicated over the wire. Compression and throttle schedules provide tunable network bandwidth consumption, and NTFS and UNIX file and directory permissions are properly preserved between servers.
- Snap EDR (Enterprise Data Replication) offers 1:1 (Synchronize), N:1 (Aggregate), and 1:N (Distribute) scheduled replication and backup jobs for specified directory paths between SnapServers and various client operating systems including Windows and Linux/UNIX. Snap EDR is easy to setup and configure using a single management console. Jobs can be scheduled to run on demand, can be configured for encryption and compression, and can preserve file and directory permissions between disparate security models.



	XSD40	XSR40	XSR120
Positioning:	Convenient desktop NAS. Small office ROBO and distributed environments	Storage consolidation. Small office environments with moderated data growth	High scalability, SMBs and large enterprises with significant data growth
Operating System:	GuardianOS™ 8.0		
Supported Clients:	Windows, Linux/UNIX, macOS, VMware		
Network File Protocols:	SMB, CIFS, NFS, AFP, HTTP, FTP		
Block Protocols:	iSCSI		
Snapshots:	Included		
Microsoft AD Support:	Included		
VMware Support:	Ready		
Management:	Wizard-based installation, Volume Usage Statistics, Event Log, Email Notification, and SnapServer Manager.		
Form Factor:	Desktop (Quiet system)	Rackmount 1U	Rackmount 2U
CPU:	Intel Atom 64-Bit Dual Core		Intel Xeon 64-Bit Quad Core
Memory (max):	4GB (8GB Maximum)		8GB (32GB Maximum)
Drives Supported:	(1) to (4) SATA-III (6 Gbit/s) Drives		(1) to (12) SATA-III (6Gbit/s) Drives
RAID Levels:	DynamicRAID Single or Dual Parity Traditional RAID 0, 1,5,6, 10	DynamicRAID Single or Dual Parity Traditional RAID 0, 1,5,6, 10, JBOD	
Expansion Units:	None	Support up to (3) 12-drive SnapExpansion Chassis	Support up to (7) 12-drive SnapExpansion Chassis
Maximum Raw Capacity:	56TB	560TB	1.344PB
Local Backup Interfaces:	2 x USB 2.0 and 2 x USB 3.0		4 x USB 2.0 and 2 x USB 3.0
Ethernet Ports:	2 x 1GbE (Expandable Up To 4 x 1GbE)		2 x 1GbE (Expandable up to 10 x 1GbE or 6 x 1GbE + 2 x 10GbE)
Power:	Rating: 200W, 100-240 VAC, 50-60 Hz Consumption: 41W (steady state)	Rating: 200W, 100-240 VAC, 50-60 Hz Consumption: 80W (steady state)	Rating: 350W, 100-240 VAC, 50-60 Hz Consumption: 80W (steady state)
Power Supplies:	Single	Single	Dual Hot Swappable
Dimensions (H"xW"xD"):	8.38" x 7.87" x 12.6"	1.73"x 17.17" x 19.25"	3.5" x 19" x 26"
Weight (lbs.):	18 lbs with 4 drives	30.5 lbs	61.0 lbs
Included Accessories:	US Power Cord, EMEA Power Cord, UK Power Cord, Serial DB9 to RJ-11 Adapter, (2) 7' Cat-5 Ethernet Cables, Quick Start Guide	US Power Cord, EMEA Power Cord, UK Power Cord, Sliding Rack Rails, Serial DB9 to RJ-11 Adapter, (2) 7' Cat-5 Ethernet Cables, Quick Start Guide	US Power Cord (2), EMEA Power Cord (2), UK Power Cord (2), Sliding Rack Rails, (2) 7' Cat-5 Ethernet Cables, SFF8088 to SFF8088 SAS Cable 1M, Quick Start Guide
Agency Approvals:	cTUVus, CE, VCCI, FCC Class A		IEC/EN/UL 60950, cULus
Standard Warranty:	3 Year Bronze-Level, Advance Parts Replacement with 8x5 phone support		