

NETWORK STORAGE SERVER (NSS) GATEWAY

VIRTUALIZE EXISTING STORAGE FOR CAPACITY OPTIMIZATION & BUSINESS CONTINUITY

IT organizations from midmarket and enterprise are constantly struggling with data centers filled with siloed storage systems, constantly struggling to stay ahead of uncontrollable data growth while providing the performance and availability needed for day-to-day operations. The FalconStor® Network Storage Server (NSS) Gateway ensures the availability of critical business applications by leveraging an organization's existing storage investments, while offering improved performance through a flash-optimized architecture. This all-inclusive gateway offers centralized storage management through storage virtualization, while preventing unwanted data access through active/active multi-node, high availability clustering. Features include thin provisioning, mirroring, performance tiering, data migration, WAN-optimized replication, application-consistent snapshot functionality, and Rest API interface enhanced automation. In addition, FalconStor NSS Gateways automate P2P, P2V, and V2V recovery for fast, granular data recovery and protection. Heterogeneous support ensures cost-effectiveness and business continuity without vendor lock-in.



PRODUCT SPECS NETWORK STORAGE SERVER

HIGHLIGHTS

ALL-INCLUSIVE FUNCTIONALITY

- Scales from 1TB to more than 500TB per appliance
- Active/Active HA clustering

HETEROGENEOUS SUPPORT

- Supports iSCSI, FC, & FCoE connectivity
- Utilizes heterogeneous third-party storage
- Supports VMware & Microsoft Hyper-V environments
- Certified for VMware vCenter Site Recovery Manager 5
- Supports VMware VAAI
- Certified for Microsoft GeoCluster operation for stretched cluster support

DATA TIERING

- Populates data on appropriate disk volumes: Nearline SAS, SAS, Fibre Channel (FC), solid-state disk (SSD)

MIRROR VOLUMES, UP TO 1,000 SNAPSHOTS*

- Enables highly granular recovery points
- Data assurance & business continuity

DATA MIGRATION

- Easily moves data volumes between tiers or SANs

WAN-OPTIMIZED REPLICATION VIA MICROSCAN™ TECHNOLOGY

- Reduces bandwidth requirements by up to 95%
- Enables rapid recovery

AUTOMATED DR VIA RECOVERTRAC™ TOOL

- Automates complex application recovery & DR testing
- Supports P2P, P2V, & V2V recovery

OPTIMIZED I/O PERFORMANCE

- Accelerates storage performance for mission-critical applications
- Alternate-READ mirror volumes eliminate I/O bottlenecks
- HotZone® & SafeCache™ technologies improve READ/WRITE performance
- Flash powered, high throughput IOPS across multiple nodes for mixed or virtual workloads
- Microsecond latency and improved IO throughput for quick application/service access and response

THIN PROVISIONING

- Enables efficient management of existing capacity
- Simplifies administration
- Increases utilization of disk capacity
- Reduces capital expenditures

*Snapshot agents are available for a variety of environments and file systems. Refer to the FalconStor Certification Matrix on our website for currently supported applications and databases.



PRODUCT SPECS
NETWORK STORAGE SERVER

PHYSICAL CHARACTERISTICS	NSSGA 7 0 0	NSSGA 7 2 0	NSSGW 8 0 0
Form factor	2U rackmount		
Processor	2 x Intel Xeon E5-26xx, 8-CoresCPUs		2 x Intel Xeon E5-26xx, 12-Core CPUs
Memory	24GB (6 x 4GB RDIMM, Low Volt, Dual Rank)		64GB (4x16GB RDIMM, Low Volt, Dual Rank)
Ports	4 x 1Gb/s Ethernet		
Performance IOPS (using 8 FC ports)	Up to 350,000 IOPS for a standalone node, 575,000 IOPS for a two node cluster		Up to 455,000 IOPS for a standalone node, 800,000 IOPS for a two node cluster
Latency	0.345 ms max for a standalone node or two node cluster		0.350 ms max for a standalone node, 0.317ms max for a two node cluster
Power supply	2 x hot-plug high output 750W		
Power source	90-264 VAC, auto-ranging, 47-63 Hz		
Dimensions (HxWxL)	3.4 x 17.44 x 26.8 in (8.6 x 44.31 x 68.07 cm)		
Weight (maximum configured)	71.5 lb (32.5 kg)		
HOST CONNECTIONS			
iSCSI support - 1Gb/s	4 ports		
iSCSI support - 10Gb/s	Optional	2 ports	
FC support	4 x 8Gb ports	2 x 8Gb ports	4 x 16Gb ports
ADVANCED FEATURES			
High availability (HA)**	Included		
Application-aware snapshot agents*	Included		
Snapshots (TimeMark®/TimeView®) per LUN	Up to 1000		
DynaPath® Agent for Microsoft Windows or Linux native multi-pathing	Included		
Physical & Virtual Machine (VM) Protection & Recovery	Included		
Recovery agents	Included		
Automated DR via RecoverTrac tool	Included		
SafeCache™/HotZone®	Included		
Data journaling	Included		
Thin provisioning	Included		
Synchronous & asynchronous data mirroring	Included		
WAN-optimized replication w/ compression & encryption	Included		
SNMP integration	Included		
Email alerts	Included		
Reporting	Included		
HyperTrac™ Backup Accelerator	Optional		
ENVIRONMENTAL REQUIREMENTS			
Heat output	2,891 BTU/hr		
Temperature	50° to 95°F (10° to 35°C)		
Relative humidity	20% to 80% noncondensing with maximum gradation of 10% per hour		
Altitude	-50 to 10,000 ft (-16 to 3,048 m)		

**For Active/Active, 1+1, 2+2, local and stretched configurations.