

## Network Storage Server (NSS) Gateways

### VIRTUALIZE EXISTING STORAGE FOR CAPACITY OPTIMIZATION & BUSINESS CONTINUITY

Midmarket and enterprise organizations depend on data availability while wrestling with the data protection challenges associated with explosive data growth. The FalconStor® Network Storage Server (NSS) Gateway ensures the availability of critical business applications by leveraging an organization's existing storage investments. This all-inclusive gateway provides storage virtualization and efficient capacity utilization, as well as simple, centralized management. Features include thin provisioning, mirroring, performance tiering, data migration, WAN-optimized replication, and application-consistent snapshot functionality. 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.



### Highlights

#### All-inclusive functionality

- Scales from 1TB to hundreds of terabytes per FalconStor NSS Gateway

#### Heterogeneous support

- Supports iSCSI, FC, and FCoE connectivity
- Utilizes heterogeneous third-party storage

#### Mirror volumes, up to 1,000 snapshots\*

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

#### Thin provisioning

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

#### Data tiering

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

#### 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 disaster recovery

#### Automated disaster recover via RecoverTrac™ tool

- Automates complex application recovery and disaster recovery testing
- Supports P2P, P2V, and V2V recovery

#### Optimized I/O performance

- Accelerates storage performance for mission-critical applications
- Alternate-READ mirror volumes eliminate I/O bottlenecks
- HotZone® and SafeCache™ technologies improve READ/WRITE performance

#### Microsoft Stretch Cluster support

- Certified for Microsoft GeoCluster operation

#### VMware integration

- Certified for VMware vCenter Site Recovery Manager 5
- Supports VMware VAAI

\*Snapshot agents are available for the following environments: Microsoft Exchange Server, Microsoft SQL Server, Microsoft VSS, IBM DB2, IBM Informix, Lotus Notes/Domino, Oracle, Sybase, MySQL, SAP, MaxDB, and VSS, as well as file systems (Linux, HP-UX, Solaris, AIX, Microsoft Windows).

# Specifications: FalconStor NSS Gateways

## NSSGA700

## NSSGA720

Physical Characteristics		
Form factor	2U rackmount	
Processor	2 x Intel Xeon E5-2620, 6-Cores @ 2.0 GHz, 15M cache	
Memory	24GB (6 x 4GB RDIMM, 1333 MHz, Low Volt, Dual Rank, x8)	
NICs	4 x 1Gb/s Ethernet	4 x 1Gb/s, 2 x 10Gb/s Ethernet
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	4 ports
iSCSI support - 10Gb/s	Optional	2 ports
8Gb FC support	4 ports	2 ports
Advanced Features		
High availability (HA)	Optional	
Application-aware snapshot agents*	Included	
Snapshots (TimeMark®/TimeView®) per LUN	Up to 1,000	
Application Snapshot Director for VMware	Included	
Storage Replication Adapter for VMware Site Recovery Manager	Included	
DynaPath® Agent for Microsoft Windows or Linux native multipathing	Included	
Recovery agent	Included	
Automated disaster recovery via RecoverTrac tool	Included	
Multisite Cluster Adapter for Microsoft Windows	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	
Central Client Manager (CCM)	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)	

Corporate Headquarters  
United States  
tel +1.631.777.5188  
salesinfo@falconstor.com

EMEA Headquarters  
France  
tel +33.1.3923.9550  
salesemea@falconstor.com

Asia-Pacific Headquarters  
Singapore  
tel +65.6361.2450  
salesasia@falconstor.com

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