

## Network Storage Server (NSS) Gateway Appliances

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

Midmarket and enterprise organizations depend on data availability while wrestling with the challenges associated with explosive data growth. FalconStor® Network Storage Server (NSS) Gateway Appliances enable organizations to ensure the availability of critical business applications leveraging existing heterogeneous storage investments, for cost-effective data protection without vendor lock-in. These all-inclusive appliances provide storage virtualization and efficient capacity utilization, as well as simplified, centralized management. Features include thin provisioning, mirroring, performance tiering, data migration, WAN-optimized replication, and application-consistent snapshot functionality. In addition, FalconStor NSS Gateway Appliances include automatic disaster recovery (DR) failover for P2P, P2V, and V2V environments, enabling fast, granular recovery from data corruption or loss for data assurance and business continuity.



### Highlights

#### All-inclusive functionality

- Scales from 1TB to hundreds of terabytes per appliance

#### 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: SATA, 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 DR via RecoverTrac™ tool

- Automates complex application recovery and DR 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

- Supports VAAI
- Supports VMware Site Recovery Manager

# Specifications: FalconStor NSS Gateway Appliances

## NSS GA700

## NSS GA710

## NSS GA720

<b>Physical Characteristics</b>			
Form factor	2U rackmount	5U rackmount	2U rackmount
Appliance type	Gateway	Gateway	Gateway
RAID controllers	Internal	Internal	Internal
RAID level	1	1	1
CPU cores	4	8	4
Memory	16GB	16GB	16GB
Hard drives	2 hot-swap	2 hot-swap	2 hot-sw
Disk type	250GB, 7200 RPM, 3.5", SATA		
Power supply (redundant): head (maximum output)	2 x hot-swap high output 870W	2 x hot-swap 1100W	2 x hot-swap high output 870W
Dimensions: head (HxWxL)	3.4 x 17.4 x 26.8 inches (8.6 x 44.3 x 66 cm)	18.3 x 8.5 x 28.8 inches (46.6 x 21.7 x 73.1 cm)	3.4 x 17.4 x 26.8 inches (8.6 x 44.3 x 66 cm)
Weight: head	57.5 lb (26.1 kg)	77.8 lb (35.3 kg)	57.5 lb (26.1 kg)
<b>Host Connections</b>			
iSCSI support — 1 Gb/s with TOE enabled	4 ports	4 ports	4 ports
iSCSI support — 10 Gb/s	—	—	2 ports
iSCSI boot	Included	Included	Included
8Gb FC support	4 ports	6 ports	2 ports
<b>Advanced Features</b>			
Application snapshots	Included	Included	Included
TimeMark® snapshots per LUN	Up to 1,000	Up to 1,000	Up to 1,000
DynaPath® Agent for Microsoft Windows, Linux	Included	Included	Included
Application Snapshot Director for VMware	Included	Included	Included
Storage Replication Adapter for VMware Site Recovery Manager	Included	Included	Included
SafeCache, HotZone	Included	Included	Included
Thin provisioning	Included	Included	Included
DiskSafe™ agent	Included	Included	Included
Synchronous data mirroring	Included	Included	Included
Data journaling	Included	Included	Included
Remote replication: MicroScan, compression, encryption	Included	Included	Included
RecoverTrac tool for automated DR	Included	Included	Included
Email alerts	Included	Included	Included
Central Client Manager (CCM)	Included	Included	Included
<b>Environmental Requirements</b>			
Power supply (redundant): head (maximum output)	2 x hot-swap high output 870W	2 x hot-swap 1100W	2 x hot-swap high output 870W
Power	90-264 VAC, auto-ranging, 47-63 Hz		
Heat output: head BTU/hr	2968 BTU/hr max	2968 BTU/hr max	2968 BTU/hr max