

## Network Storage Server (NSS) Appliances

### STORAGE VIRTUALIZATION & CAPACITY OPTIMIZATION FOR BUSINESS CONTINUITY

Explosive data growth has resulted in over-provisioning in many small-to-medium businesses (SMB) and remote/branch offices (ROBO), making storage management and data protection more challenging than ever. FalconStor® Network Storage Server (NSS) Appliances enable storage virtualization and provisioning in physical and virtual environments, for improved operational efficiency and simplified management. These all-inclusive appliances provide advanced features including thin provisioning, data migration, performance tiering, mirroring, application-consistent snapshots, WAN-optimized replication, and automated disaster recovery (DR). The FalconStor NSS Appliance is a comprehensive solution that improves the utilization of storage resources to minimize storage overhead while ensuring data availability and business continuity.



### Highlights

#### All-inclusive functionality

- Simple, capacity-based pricing
- Capacity size and disk type scales from 1TB to 90TB per appliance

#### Heterogeneous support

- Supports iSCSI and FC connectivity

#### Thin provisioning

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

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

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

#### WAN-optimized replication via MicroScan™ technology

- Reduces bandwidth requirements by up to 95%
- Enables fast disaster recovery

#### Data tiering

- Populates data on appropriate disk volumes: SATA, SAS, Fibre Channel (FC)

#### Data migration

- Easily moves data volumes between tiers or SANs

#### 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 VMware Site Recovery Manager

# Specifications: FalconStor NSS Appliances

	SA302	SA303	SA306	SA312	6.7TB SAS EXPANSION	9TB SATA EXPANSION	15TB SATA EXPANSION	30TB SATA EXPANSION
<b>Physical Characteristics</b>								
Base form factor	2U				Expansion unit			
Number of controllers	Single							
RAM included	8GB				—	—	—	—
RAID level	6				6	6	6	6
Base capacity (raw)	2.7 TB	3.6 TB	6TB	12TB	6.7 TB	9TB	15B	30TB
Disk type	450GB SAS	600GB SAS	1TB SATA	2TB SATA	450GB SAS	600GB SAS	1TB SATA	2TB SATA
Maximum capacity w/ expansion	22.8 TB	30.6 TB	51TB	102TB				
CPU cores	4							
Dimensions	Head: 29.31 x 17.5 x 3.4" (74.4 x 44.43 x 8.64 cm) Expansion: 18.9 x 17.57 x 5.16 (48.01 x 44.63 x 13.11 cm)							
Weight	Head: 50.71 lbs (23 kg), maximum configuration Expansion: 78 lbs (35.37 kg), maximum configuration							
<b>Host Connections</b>								
iSCSI support	Included							
GbE ports	4							
FC support	Optional							
4Gb dual port FC HBAs (included with FC option)	1							
<b>Advanced Features</b>								
Virtual storage	Included							
Thin Provisioning	Included							
Data mirroring	Included							
Snapshots (TimeMark®/ TimeView®) per LUN	Up to 1,000							
RecoverTrac tool for automated DR	Included							
Support for VMware Site Recovery Manager	Included							
Replication (continuous or periodic) with compression and encryption	Included							
Email alerts	Included							
Centralized Client Manager (CCM)	Included							
<b>Environmental Requirements</b>								
Power supply (redundant)	Head: Two hot-plug 870W PSUs (1+1) Expansion: 488 W maximum continuous; 550 W peak, 100-240 V rated (actual 90-264 V)							
BTU	1200							
Temperature	Operating: 50° to 95°F (10° to 35°C) Storage: -40° to 149°F (-40° to 65°C)							
Relative humidity	Operating: 20% to 80% (non-condensing) Storage: 5% to 95% (non-condensing)							
Altitude	Operating: -50 to 10,000 ft (-16 to 3048 m) Storage: -50 to 35,000 ft (-16 to 10,600 m)							