

NST UNIFIED HYBRID STORAGE APPLIANCES DATA SHEET



OVERVIEW

Nexsan™ NST™ combines high performance, high capacity and Nexsan’s innovative FASTier™ caching technology to provide scalable performance for mixed application workloads and virtualized environments.

NST fulfills changing application and storage needs with unified NAS and SAN access capabilities in a single hybrid solution. This lets you right-size your initial acquisition by scaling storage, performance, or both as your company grows. NST’s data compression reduces its storage system footprint and improves write efficiency to cache and storage.



INTELLIGENT HYBRID CACHING

Accelerates performance for mixed application workloads



EFFICIENT UNIFIED

Provides transparent scaling of application and user access using block and file network protocols



ENTERPRISE CLASS

All inclusive licensing with a full complement of enterprise-class data services



AGILE SCALABILITY

Non-disruptive capacity scaling starting at 13TB up to 5PB

DATA SERVICES

Unified Protocol including NAS, FC and iSCSI, Pools, Shares, LUNs

SCALABILITY

Versatile Storage Options, Online Capacity Expansion

SECURITY

Active Directory and LDAP, LUN Masking, iSNS, CHAP

EFFICIENCY

Inline Data Compression, Quotas / Thin Provisioning, VAAI, VSS, AutoMAID® Power Management

NST FEATURES

PERFORMANCE

FASTier™ Caching, Variable RAID Striping, Link Aggregation

AVAILABILITY / RELIABILITY

High Availability, RAID, Drive Stress Tests, System Tests

DATA PROTECTION

Asynchronous Replication, Synchronous Mirroring, Snapshots, VSS, NDMP, Cache Vaulting

MANAGEMENT

E-Centre Graphical User Interface, Command-Line Interface (CLI), Remote Management, Quota Setting, Dashboard, Reports, Alerts and Event Logging, Automatic RAID Set Maintenance, NTP client

NST PRODUCT FAMILY

Category	Feature	NST 2000 ENTRY LEVEL	NST 4000 MID-RANGE	NST 6000 HIGH-END
PROTOCOLS		FC, iSCSI, NFS, CIFS/SMB, FTP		
SYSTEM CONFIGURATION	Controllers per system	2		
	System CPU Cores	16		24
	System Memory (DRAM)	96 GB		192 - 384 GB
FASTIER CACHE	Maximum FASTier Capacity	2TB	6.4TB	9.4TB
	Maximum Number FASTier SSD's	4 (with storage expansion)	22	46
	Read FASTier SSD's	400 / 800 GB	400 GB	200 / 400 / 800 GB
	Write FASTier Cache	200/400 GB SSD's	fault tolerate DRAM	
STORAGE ARRAYS	Maximum Raw Capacity	168TB	2.1PB	5PB
	Storage Chassis	Internal Storage & Expansion	E-Series E60VT, E48VT, E32V, E18VT	E-Series E60VT, E48VT, E32V, E18VT 224X
	Maximum Storage Expansion	1	6	21 (with SAS switch)
STORAGE MEDIA	7.2K RPM SAS HDD's	2 / 4 / 6 TB	2 / 4 / 6 / 8 TB	1 / 2 / 3 / 4 / 6 / 8 TB
	10K RPM SAS HDD's	600 / 900 / 1,200 GB		450 / 600 / 900 / 1,200 / 1,800 GB
	SSD's	200 / 400 / 800 GB	100 / 200 / 400 GB	100 / 200 / 400 / 800 GB
	Maximum Number of HDD's	44	360	1,260
POWER, COOLING & ENVIRONMENTAL	Number of hot-swappable power supplies	2		
	Wattage per Controller	920 W	420 W	< 430 W
	Voltage and Frequency	100-240V, 50-60z		(110) 90-130V, 47-63 Hz (220) 180-246V, 47-63 Hz
	Operating Temperature	10-35C (50-95F)		
	Operating Humidity	20-95% Non Condensing		
SIZE & WEIGHT	System Form Factor	2U or 3U	4U	6U
	Dimension (W x H x D)	2U: 17.2 x 3.5 x 26.75 in. (43.7 x 8.9 x 67.9 cm) 3U: 17.2 x 5.2 x 24.2 in. (43.7 x 13.2 x 61.5 cm)	17.2 x 3.5 x 26.75 in. (43.7 x 8.9 x 67.9 cm)	17.2 x 3.5 x 27.87 in. (43.7 x 8.9 x 70.79 cm) per controller
	Controller unit weight (min/max)	85 lbs. (38.6 kg.) / 90 lbs. (40.8 kg.)		>40 lbs (18.1Kg)



ABOUT NEXSAN

Nexsan is a global leader in storage, back up and data management solutions that are focused on seamlessly and securely enabling a connected workforce. Its broad solution portfolio empowers enterprises to securely store, protect and manage valuable business data – allowing users to sync, share and access files from any device, anywhere, anytime. www.nexsan.com

