NEXSAN™
by **imation**

NST
UNIFIED HYBRID STORAGE APPLIANCES
DATA SHEET

OVERVIEW

Imation's Nexsan™ NST™ combines high performance, high capacity and Imation'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

NST2000

NST FEATURES

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

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**

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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)

Microsoft

vmware READY

CITRIX ready™

ABOUT **IMATION**

Imation is a global data storage and information security company. Imation's Nexsan portfolio features solid-state optimized unified hybrid storage systems, secure automated archive solutions and high-density enterprise storage arrays. Nexsan solutions deliver high performance for mission-critical IT applications such as virtualization, cloud, databases, and collaboration; and energy efficient, high-density storage for backup and archiving. For more information, visit www.imation.com/nexsan.