NEXSAN™
by imation

NST4000
HYBRID STORAGE APPLIANCE SPECIFICATION SHEET

SMART HYBRID
FASTier™ flexible hybrid caching provides high performance where it's needed. NestOS software intelligently optimizes the hybrid storage architecture and resources.

AGILE SCALABILTY
Linear, non-disruptive scaling up to 2.1 Petabytes.

EFFICIENT UNIFIED
Unified storage system that supports FC, NFS, iSCSI, CIFS, SMB, and FTP in a single software stack and within a single-pane-of-glass management.

ENTERPRISE CLASS
Enterprise class Integrated System Data Management, Business Continuity, and Data Protection features and services that are right-sized for the mid-market.

CATEGORY	FEATURE	NST4000
Storage Controller	Controllers per system	2
	CPU cores per system	16
	System memory (DRAM)	96 GB
	RAID Levels	5, 6, 10
FASTier Cache	Maximum FASTier capacity	6.4 TB
	Maximum number of FASTier devices per system	22
	FASTier SSD capacities (GB)	200 / 400
Storage Arrays	Storage chassis supported	E32V, E48VT, E60VT, E18V
	Total maximum storage chassis	6
	Maximum E-Series controller units	2
	Maximum E-Series Expansion units	4
Storage Capacity	Maximum 7,200 RPM SAS HDD storage capacity (raw)	2.1 PB
	7,200 RPM SAS HDD capacities (TB)	2 / 4 / 6
	Maximum number of 7,200 RPM SAS HDD	360
	Maximum 10K RPM SAS HDD storage capacity (raw)	230 TB
	10K RPM SAS HDD capacities (GB)	600 / 900 / 1,200
	Maximum number of 10K RPM SAS HDD	192

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HYBRID SCALING

With NST, you can scale both Solid State and Hard Disk Drives independently. Additionally scale FASTier intelligent caching up to 6.4TB with high performance memory and flash technology.

PERFORMANCE AGILITY

NST's FASTier intelligent caching allows you to tune performance where you need it, apply FASTier to specific applications that require high performance.

APPLICATION FLEXIBILITY

Unified storage system that supports multiple application needs through iSCSI, FC, NFS, SMB, and FTP in a single system, with a 'single pane of glass' management.

HIGH-CAPACITY SCALING

Linear, non-disruptive scaling up to 2.1PB, leveraging the processing power of E-Series to manage I/O and storage features such as compression.

CATEGORY	FEATURE	NST4000
High Availabiltiy	Dual redundante storage controllers with automatic failover	YES
	No single point-of-failure architecture	YES
I/O Ports	Maximum 1Gb Ethernet ports per controller	8
	Maximum 10Gb Ethernet ports per controller	4
	Maximum 8Gb/s Fibre Channel ports per controller	2
	Dedicated/Available Ethernet management ports per controller	1
	Link aggregation (IEEE 802.3ad)	YES
	Number of 24GB SAS x 4 Ports for storage per controller	4
Rails & Cables	Mounting Rails and SAS Cables Included	YES
NAS Services Capacities	Number of NAS heads in cluster	2
	Maximum single file size (TB)	16
	Maximum number of CIFS shares per controller	512
	Maximum number of NFS shares per controller	512
	Maximum file name length (bytes)	255
	Maximum number of snapshots per share	2,048
	Management software included at no additional cost	YES
FC & iSCSI Block Services Capacities	iSCSI LUN Security via CHAP, iSNS, LUN masking	YES
	Fibre channel LUN masking	YES
	VMware, Xen, Hyper-V, and Windows compatible	YES
	Maximum LUN size	64TB
	Maximum number of LUNs per system	1,024
	Maximum number of snapshots per LUN	1,024

CATEGORY	FEATURE	NST4000
Power & Cooling	Standard number of power supplies	2
	Power supplies are hot-swappable	YES
	Wattage per Controller	420
	Voltage and Frequency	100-240V 50-60Hz
	Typical power consumption for 60 drives	1257
	AutoMAID® power savings	YES
Size, Weight and Operating Conditions Capacities	Operating Temperature	10-35C (50-95F)
	Operating Humidity	20-95% Non Condensing
	Main Chassis Height (U of rack space)	4U total 4U total (2U controller unit, 1x2U vault protection module)
	Controller unit dimensions (WxHxD)	17.2 x 3.5 x 26.75 in. (437 x 88 x 679 mm)
	Controller unit weight (min / max)	85 lbs. (38.6 kg.) / 90 lbs. (40.8 kg.)

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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.