

NST2000 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 168 Terabytes.

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	NST2000
	Controllers per system	2
Storage	CPU cores per system	16
Controller	System memory (DRAM)	96 GB
	RAID Levels	5, 6, 10
	Maximum FASTier capacity	2 TB
FASTier Cache	Maximum number of FASTier devices per system	4
	FASTier SSD capacities (GB)	200 / 400 / 800
Storage	Storage	Internal storage & Expansion
Arrays	Maximum Storage Expansion	1
	Maximum 7,200 RPM SAS HDD storage capacity (raw)	168 TB
	7,200 RPM SAS HDD capacities (TB)	2/4/6
Storage	Maximum number of 7,200 RPM SAS HDD	28
Capacity	Maximum 10K RPM SAS HDD storage capacity (raw)	53 TB
	10K RPM SAS HDD capacities (GB)	600 / 900 / 1,200
	Maximum number of 10K RPM SAS HDD	44

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HYBRID SCALING

With NST, you can scale both FASTier intelligent caching and Hard Disk Drive storage.

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 168TB and storage features such as compression.

CATEGORY	FEATURE	NST2000
High	Dual redundante storage controllers with automatic failover	YES
Availabiltiy	No single point-of-failure architecture	YES
	Maximum 1Gb Ethernet ports per controller	8
	Maximum 10Gb Ethernet ports per controller	4
LIO D	Maximum 8Gb/s Fibre Channel ports per controller	2
I/O Ports	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
	Number of NAS heads in cluster	2
	Maximum single file size (TB)	16
	Maximum number of CIFS shares per controller	512
NAS Services Capacities	Maximum number of NFS shares per controller	512
oapaoines .	Maximum file name length (bytes)	255
	Maximum number of snapshots per share	2,048
	Management software included at no additional cost	YES
	iSCSI LUN Security via CHAP, iSNS, LUN masking	YES
	Fibre channel LUN masking	YES
FC & iSCSI Block	VMware, Xen, Hyper-V, and Windows compatible	YES
Services Capacities	Maximum LUN size	64TB
	Maximum number of LUNs per system	1,024
	Maximum number of snapshots per LUN	1,024



;;		Standard number of power supplies	2
	Power & Cooling	Power supplies are hot-swappable	YES
		Wattage per Controller	920W 920W
		Voltage and Frequency	100-240V 50-60Hz
		Typical power consumption for 60 drives	N/A
		Operating Temperature	10-35C (50-95F)
	Size,	Operating Humidity	20-95% Non Condensing
	Weight and Operating Conditions	Main Chassis Height (U of rack space)	2U - 3U
	Capacities	Dimensions (W x H x D) NST2000 Capacity Optimized (3U) NST2000 Performance Optimized (2U)	17.2 x 5.2 x 24.2 in. (437 x 132 x 615 mm) 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.)



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.