

# 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 SCALABILITY

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
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	2 TB
	Maximum number of FASTier devices per system	4
	FASTier SSD capacities (GB)	200 / 400 / 800
Storage Arrays	Storage	Internal storage & Expansion
	Maximum Storage Expansion	1
Storage Capacity	Maximum 7,200 RPM SAS HDD storage capacity (raw)	168 TB
	7,200 RPM SAS HDD capacities (TB)	2 / 4 / 6
	Maximum number of 7,200 RPM SAS HDD	28
	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

### 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 Availability	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	NST2000
Power & Cooling	Standard number of power supplies	2
	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
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)	2U - 3U
	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](http://www.imation.com/nexsan).