

NST5000 HYBRID STORAGE APPLIANCE SPECIFICATION SHEET



CATEGORY	FEATURE	NEXSAN NST5100	NEXSAN NST5300	NEXSAN NST5100X	NEXSAN NST224X
Storage Capacities	Maximum number of drives in chassis	15	N/A	16	24
	Maximum SATA capacity	93TB	1440TB	48TB	N/A
	Maximum SAS capacity	18.6TB	86TB	9.6TB	14.4TB
	Maximum number of drives w/ expansion chassis	31	360	N/A	N/A
	Minimum Number of drives	8	9	16	24
	NL-SAS 7200RPM drives (TB)	1 / 2 / 3 / 4	1 / 2 / 3 / 4	1 / 2 / 3 / 4	N/A
	SATA 7200RPM Drives (TB)	N/A	1 / 2 / 3 / 4	N/A	N/A
	SAS 15K RPM 3.5" drives (GB)	N/A	450 / 600	N/A	N/A
	SAS 10K RPM 2.5" drives (GB)	900	N/A	900	600 / 900
	Mix drive types in chassis	NO	YES	NO	NO
	Expansion chassis supported	NST5100X	E-Series NST224X	N/A	N/A
Minimum / Maximum number of flash storage options (TB)	N/A	1.2 / 57.6	N/A	1.2 / 57.6	
Storage Controller	Base / maximum controllers per system	2 / 2	2 / 2	N/A	N/A
	Base / maximum number of CPU cores per controller	4 / 4	4 / 8	N/A	N/A
	Base / maximum system memory per controller	24 / 96	24 / 96	N/A	N/A
	RAID Levels	5, 6, 10	5, 6, 10	5, 6, 10	5, 6, 10
FASTier®	FASTier Package Contents	8GB High Speed Write Cache, 100 / 200 / 400 eMLC Read/Write Cache	8GB High Speed Write Cache, 100 / 200 / 400 eMLC Read/Write Cache	8GB High Speed Write Cache, 100 / 200 / 400 eMLC Read/Write Cache	N/A
	Maximum number of FASTier devices per system	5	16	N/A	N/A

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I/O Ports	Base / maximum 1Gb Ethernet ports per controller	2 / 6	2 / 6	N/A	N/A
	Base / maximum 10Gb Ethernet ports per controller	0 / 2	0 / 2	N/A	N/A
	Dedicated/Available Ethernet management ports per controller	1	1	N/A	N/A
	Link aggregation (IEEE 802.3ad)	YES	YES	N/A	N/A
	Base / max # of 24GB SAS x 4 Ports for drive expansion per controller	1	0 / 4	N/A	N/A
	Base / max # of 6Gb SAS ports for drive expansion per controller	N/A	0 / 4	N/A	N/A
High Availability	Dual Redundant storage controllers with automatic failover	YES	YES	N/A	N/A
	No single point-of-failure architecture	YES	YES	YES	YES
Rails & Cables	Mounting Rails and SAS Cables Included	Optional	YES	YES	YES
NAS Services Capacities*	Number of NAS heads in cluster base/maximum	2 / 2	2 / 2	N/A	N/A
	Maximum single file size (TB)	16	16	N/A	N/A
	Maximum number of CIFS shares per controller	512	512	N/A	N/A
	Maximum number of NFS shares per controller	512	512	N/A	N/A
	Maximum file name length (bytes)	255	255	N/A	N/A
	Maximum number of snapshots per share	2048	2048	N/A	N/A
	Management software included at no additional cost	YES	YES	YES	YES
iSCSI Block Services Capacities*	LUN Security via CHAP, iSNS, LUN masking	Y	Y	N/A	N/A
	VMware, Xen, Hyper-V, and Windows compatible	Y	Y	N/A	N/A
	Maximum LUN size	16TB	64TB	N/A	N/A
	Maximum number of LUNs per system	256	1024	N/A	N/A
	Maximum number of snapshots per LUN	2048	2048	N/A	N/A

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Power & Cooling	Standard number of power supplies	2	2	2	2
	Power supplies are hot-swappable	Y	Y	Y	Y
	Wattage per Controller	400	420	N/A	N/A
	Voltage and Frequency	100-240V 50-60Hz	100-240V 50-60Hz	100-240V 50-60Hz	100-240V 50-60Hz
	NST5000 Main Chassis Heat Dissipation (BTU per hour)	2750	2900	N/A	N/A
	Typical power consumption for 60 drives	N/A	1275	N/A	N/A
	AutoMAID® power savings	N	Y	N	N
Size, Weight and Operating Conditions	Operating Temperature	10-35C (50-95F)	10-35C (50-95F)	10-35C (50-95F)	10-35C (50-95F)
	Operating Humidity	20-95% Non Condensing	20-95% Non Condensing	20-95% Non Condensing	20-95% Non Condensing
	NST5000 Main Chassis Height (U of rack space)	5.2 in / 13.2 cm (3U)	5.2 in / 13.2 cm (3U)	5.2 in / 13.2 cm (3U)	3.5 in / 8.9 cm (2U)
	NST5000 Main Chassis Width	17.2 in / 43.7 cm	17.2 in / 43.7 cm	17.2 in / 43.7 cm	17.6 in / 44.7 cm
	NST5000 Main Chassis Depth	24.2 in / 61.5 cm	24.2 in / 61.5 cm	24.2 in / 61.5 cm	19.5 in / 49.53 cm
	NST5000 Main Chassis Weight	84 lbs / 38.1 Kg	68 lbs / 30.1 Kg	84 lbs / 38.1 Kg	60lbs / 27 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.