

NEXSAN NST5000™ STORAGE SYSTEMS SPECIFICATION SHEET

| CATEGORY | FEATURE | NEXSAN NST5100 | NEXSAN NST5300 | NEXSAN NST5500 | NEXSAN NST5100X | NEXSAN NST224X |
|-----------------------------|--|---|---|--|-----------------|----------------|
| Storage Capacities | Maximum number of drives in chassis | 15 | N/A | N/A | 16 | 24 |
| | Maximum SATA capacity | 93TB | 720TB | 1080TB | 48TB | N/A |
| | Maximum SAS capacity | 18.6TB | 144TB | 216TB | 9.6TB | 14.4TB |
| | Maximum number of drives w/ expansion chassis | 31 | 240 | 360 | N/A | N/A |
| | Minimum Number of drives | 8 | 9 | 9 | 16 | 24 |
| | NL-SAS 7200RPM drives (TB) | 1 / 2 / 3 | N/A | N/A | 1 / 2 / 3 | N/A |
| | SATA 7200RPM Drives (TB) | N/A | 1 / 2 / 3 | 1 / 2 / 3 | N/A | 1 / 2 / 3 |
| | SAS 15K RPM 3.5" drives (GB) | 450 / 600 | 450 / 600 | 450 / 600 | 450 / 600 | N/A |
| | SAS 15K RPM 2.5" drives (GB) | N/A | N/A | N/A | N/A | 300 |
| | SAS 10K RPM 2.5" drives (GB) | N/A | N/A | N/A | N/A | 450 / 600 |
| | Mix drive types in chassis | NO | YES | YES | NO | NO |
| Expansion chassis supported | NST5100X | E-Series NST224X | E-Series NST224X | N/A | N/A | |
| Storage Controller | Base / maximum controllers per system | 2 / 2 | 2 / 2 | 2 / 2 | N/A | N/A |
| | Base / maximum number of CPU cores per controller | 4 / 4 | 4 / 8 | 12 / 12 | N/A | N/A |
| | Base / maximum system memory per controller | 12 / 12 | 24 / 48 | 48 / 96 | N/A | N/A |
| | RAID Levels | 5, 6, 10 | 5, 6, 10 | 5, 6, 10 | 5, 6, 10 | 5, 6, 10 |
| FASTier™ | FASTier™ Package Contents | (1) 100GB SLC SSD & (1) Optional 8GB DRAM SSD | (1) 8GB DRAM / SSD & (2) 100GB SLC SSDs | (1) 8GB DRAM in SSD & (3) 200GB SLC SSDs | N/A | N/A |
| | Number of drive slots required for a FASTier™ Package | 1 / 2 | 3 | 4 | N/A | N/A |
| | Maximum number of FASTier™ Packages per system | 1 | 5 | 4 | N/A | N/A |
| | Maximum FASTier™ dedicated high speed flash-backed DRAM write cache in SSDs per system | 8GB | 40GB | 32GB | N/A | N/A |
| | FASTier™ Expansion Package Contents | N/A | (2) 100GB SLC SSDs | (3) 200GB SLC SSDs | N/A | N/A |
| | Base / Maximum FASTier™ cache size | 0 / 100GB | 0 / 1.4TB | 0 / 2.8TB | N/A | N/A |



SPEC SHEET



| CATEGORY | FEATURE | NEXSAN NST5100 | NEXSAN NST5300 | NEXSAN NST5500 | NEXSAN NST5100X | NEXSAN NST224X |
|----------------------------------|--|----------------|----------------|----------------|-----------------|----------------|
| I/O Ports | Base / maximum 1Gb Ethernet ports per controller | 2 / 6 | 2 / 6 | 2 / 6 | N/A | N/A |
| | Base / maximum 10Gb Ethernet ports per controller | 0 / 2 | 0 / 2 | 0 / 2 | N/A | N/A |
| | Dedicated/Available Ethernet management ports per controller | 0 / 2 | 0 / 2 | 0 / 2 | N/A | N/A |
| | Link aggregation (IEEE 802.3ad) | YES | YES | YES | N/A | N/A |
| | Base / max # of 24GB SAS x 4 Ports for drive expansion per controller | 1 | 0 / 4 | 0 / 6 | N/A | N/A |
| | Base / max # of 8Gb Fibre Channel ports for drive expansion per controller | N/A | 0 / 4 | 0 / 6 | N/A | N/A |
| High Availability | Dual Redundant storage controllers with automatic failover | YES | YES | YES | N/A | N/A |
| | No single point-of-failure architecture | YES | YES | YES | YES | YES |
| Rails & Cables | Mounting Rails and SAS / FC Cables Included | Optional | YES | YES | YES | YES |
| NAS Services Capacities* | Number of NAS heads in cluster base/maximum | 2 / 2 | 2 / 2 | 2 / 2 | N/A | N/A |
| | Maximum single file size (TB) | 16 | 16 | 16 | N/A | N/A |
| | Maximum number of CIFS shares per controller | 512 | 512 | 512 | N/A | N/A |
| | Maximum number of NFS shares per controller | 512 | 512 | 512 | N/A | N/A |
| | Maximum file name length (bytes) | 255 | 255 | 255 | N/A | N/A |
| | Maximum number of snapshots per share | 2048 | 2048 | 2048 | N/A | N/A |
| | Management software included at no additional cost | YES | YES | YES | YES | YES |
| iSCSI Block Services Capacities* | LUN Security via CHAP, iSNS, LUN masking | Y | Y | Y | N/A | N/A |
| | VMware, Xen, Hyper-V, and Windows compatible | Y | Y | Y | N/A | N/A |
| | Maximum LUN size | 16TB | 64TB | 64TB | N/A | N/A |
| | Maximum number of LUNs per system | 256 | 1024 | 1024 | N/A | N/A |
| | Maximum number of snapshots per LUN | 2048 | 2048 | 2048 | N/A | N/A |



| CATEGORY | FEATURE | NEXSAN NST5100 | NEXSAN NST5300 | NEXSAN NST5500 | NEXSAN NST5100X | NEXSAN NST224X |
|---------------------------------------|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| Power & Cooling | Standard number of power supplies | 2 | 2 | 2 | 2 | 2 |
| | Power supplies are hot-swappable | Y | Y | Y | Y | Y |
| | Wattage per Controller | 400 | 420 | 480 | N/A | N/A |
| | Voltage and Frequency | 100-240V 50-60Hz | 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 | 3350 | N/A | N/A |
| | Typical power consumption for 60 drives | N/A | 1275 | 1325 | N/A | N/A |
| | AutoMAID® power savings | N | Y | 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) | 10-35C (50-95F) |
| | Operating Humidity | 20-95% Non Condensing | 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) | 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 | 17.2 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 | 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 | 70 lbs / 31.8 Kg | 84 lbs / 38.1 Kg | 60lbs / 27 kg |



ABOUT NEXSAN

Nexsan® is a leading independent provider of disk-based storage systems purpose-built and priced for the mid-market, offering industry-leading reliability, space and power efficiency. Nexsan storage systems provide scalability, integrity and security for growing volumes of unstructured data and are ideal for virtual storage, data protection, secure online archiving, bulk and cloud storage applications. Overcoming the challenges of traditional storage, Nexsan delivers a different kind of storage experience with easy-to-use, efficient and enterprise-class solutions that reduce the complexity and cost of storage. Nexsan delivers its storage systems through a select global partner ecosystem of solution providers, OEMs and system integrators. Nexsan is based in Thousand Oaks, Calif.

For more information, visit the company's website at www.nexsan.com.