SPEC SHEET

NEXSAN

UNITY NV-SERIES™
UNIFIED STORAGE

Enterprise block, file, and object storage for mixed workloads.

UNITY™ NV4000	UNITY™ NV6000	UNITY™ NV10000	UNITY™ NV12000
UP TO **1,000,000** IOPS	UP TO **1,500,000** IOPS	UP TO **2,000,000** IOPS	UP TO **3,000,000** IOPS
1.47PB RAW CAPACITY	**6.63PB** RAW CAPACITY	**19.89PB** RAW CAPACITY	**22.1PB** RAW CAPACITY

CATEGORY	FEATURE	UNITY NV4000	UNITY NV6000	UNITY NV10000	UNITY NV12000
ENTERPRISE FEATURES	**Immutable Storage; Security, Compliance and Ransomware Protection**	Unity delivers immutable volume and file system snapshots, S3 object locking and integrates with Assureon® to address a wide variety of data protection use cases. Includes AES software encryption for data at rest.			
	Supports Multiple Protocols	SAN (Fibre Channel, iSCSI), NAS (NFS, SMB, FTP), Object (S3) - NexObject™			
	Drives Supported	NVMe | SAS SSD | SAS HDD | SED | SED FIPS			
	All-inclusive Licensing	No extra fees, just all the extra features: Immutable snapshots, S3 object locking, Cloud Connector, multi-factor authentication (MFA), SMB Access Audit, FASTier® caching, in-line compression, replication, data integrity, high availability, non-disruptive upgrades, data deduplication, Assureon Connector			
	Cloud Connector - S3 Edge Caching	The S3 Cloud Connector enables seamless edge caching with bi-directional sync between on-prem storage and cloud providers like AWS S3 and Azure. It boosts performance, reduces latency, and ensures data availability across hybrid environments.			
	Flexible Configurations	Unity is optimized to deliver the performance you need whether it's a hybrid configuration or an all-flash, making it easy and affordable to meet the application needs.			
	Data Deduplication	Maximize usable capacity with intelligent data deduplication, delivering up to 9x data reduction.			
	FASTier® Caching	Nexsan's FASTier® acceleration technology leverages the power of solid-state to accelerate the performance of the underlying spinning disks by a factor of up to 10X.			
	User Interface	Unity includes both a built-in GUI and a comprehensive Command Line Interface (CLI). The Unity UI allows an administrator to easily manage and monitor a Unity deployment, regardless of size, from anywhere with just a web browser.			
	PCI Compliance	Unity supports TLS 1.2 for PCI compliance.			
	Authentication	Active Directory, LDAP, and Local - Multi-factor Authentication (MFA) with DUO Security.			
	Host Platforms	All major platforms including Windows, Linux, Mac, VMware ESX, Hyper-V, Xen			
	Data Services	Advanced data reduction, thin provisioning with dead space reclamation, replication, and snapshots.			
	Backup Software Compatability	Veeam, Commvault, Bacula, Arcserve, and more			
	3rd Party Software Supported	Scale Computing, Windows VSS, VMware VAAI, Commvault, Veeam, Proxmox, XenServer, Bacula, Vates, Milestone, Genetec, Datacore & More			
	High Availability	No single point-of-failure architecture with dual redundant storage controllers, redundant power supplies and RAID.			
SYSTEM CONFIGURATION	**Disk bays | # JBODs Supported**	24 | Up to 1	60 | up to 2	24 | up to 8	24 | up to 8
	Form Factor	4U	4U	2U	2U
	System Memory/DRAM	128GB per Controller	128GB per Controller	up to 384GB per Controller	up to 512GB per Controller
	Supported Expansion Systems	U2G424	U2G478		U2G478 | U2F226
	Controllers	2			

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UNITY NV-SERIES™

TECHNICAL SPECIFICATIONS






CATEGORY	FEATURE	UNITY NV4000	UNITY NV6000	UNITY NV10000	UNITY NV12000
STORAGE MEDIA	2.5" NVME | SAS SSDs (TB)	1.92 | 3.84 | 7.68 | 15.36 | 30.72 | 122.88			
	Max Capacity with All-Flash | Rack U	1.47PB Raw | 8U	6.63PB Raw | 12U	19.89PB Raw | 34U	15.72PB NVMe | 10U with 4 U2F226 22.1PB SAS SSD + NVMe | 34U
	3.5" 7.2K Drives (TB)	10 | 12 | 16| 18 | 20 | 22 | 24 | 26			
	Maximum Drives with Expansion	48 drives with 1 U2G424 expansion	216 drives with 2 U2G478 expansions	648 drives with up to 8 U2G478 expansions	648 Drives with 8 U2G478 expansions
	Maximum Raw Capacity with HDD Expansions | Rack U	1.24PB | 8U	5.61PB | 12U	16.22PB | 34U	19.17PB | 34U
HOST CONNECTIVITY	16 | 32 Gb/s Fibre Channel Max Ports/System	8 | 8	8 | 8	4 | 4	12 | 12
	10 | 25 | 40 | 100GbE Max Number of Ports/System	12 | 8 | 8 | 8	12 | 4 | 4 | 4	8 | 4 | 4 | 4	16 | 12 | 12 | 12
	10GbE Embedded Standard Configuration	YES			
SYSTEM STORAGE SERVICES	Max NFS | CIFS File Systems	512 | 512			
	Max LUNs per Target	255			
	Max LUN Size	256TB			
	System Max LUNs	255 - Fibre Channel | 1024 - iSCSI			
	Max Snapshots per LUN	2048			
	Replication	Asynchronous storage pool-level replication			
POWER, COOLING, & ENVIRONMENTAL	Number of hot-swappable power supplies - head units	2			
	Voltage, Frequency	100 - 240V | 50 - 60Hz	200 - 240V | 50 - 60Hz	100 - 240V | 50 - 60Hz	100 - 240V | 50 - 60Hz
	Operating Temperature	0 - 35°C, 32 - 95°F	10-35°C, 50-95°F	0-35°C, 32-95°F	10-35°C, 50-95°F
	Operating Humidity	5 - 95% (non-condensing)	8 -90% (non-condensing)	5-95% (non-condensing)	8 -90% (non-condensing)
	Max Power | Wattage per Controller	1600W | 1600W	2600W | 2600W	1300W | 1300W	2000W | 2000W
SIZE & WEIGHT	Controller Form Factor	4U	4U	2U	2U
	Dimension (WxHxD)	17.2 x 6.8 x 27.7 in | 436.9 x 172.72 x 703.58 mm	17.6 x 6.9 x 34.1 in | 447.04 x 175.26 x 866.14 mm	17.1 x 3.4 x 35.9 in | 435 x 87 x 911 mm	17.7 x 3.47 x 30 in | 449.4 x 88 x 762 mm
	Controller Unit Weight	104 lbs (47 kg)	170.5 lbs. (77.3 kg.)	95 lbs. (43.5 kg.)	89.6 lbs. (40.66 kg.)

ABOUT NEXSAN

Nexsan® is a global leader in enabling customers to securely store, protect, and manage data. Established in 1999, Nexsan has earned a reputation for delivering the most highly reliable, secure, and cost-effective storage while always remaining agile to continuously deliver purpose-built storage and data management solutions that meet complex and ever-changing IT, business, and budgetary requirements. Nexsan's patented technology is ideal for a variety of use cases including backup and recovery, content delivery and streaming, scientific lab data, virtualization, evidentiary data, digital video surveillance, regulatory compliance, and healthcare records. For further information, please visit www.nexsan.com.

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