DATA SHEET

NEXSAN

UNITY™ NV4000

ENTERPRISE BLOCK, FILE, AND OBJECT STORAGE FOR MIXED WORKLOADS.

The Unity™ NV4000 delivers powerful unified storage designed to handle today's performance-hungry and security-conscious workloads. Engineered for value, performance, and peace of mind, it is ideal for SMBs, mid-market enterprises, and S3 edge caching. The Unity NV4000 offers file, block, and object storage with unmatched flexibility and reliability.

The Unity NV4000 supports both all-flash and hybrid configurations across 24 bays, scaling to 737TB raw for flash or 624TB with SAS HDDs. With FASTier® performance and mixed protocol support—including Fibre Channel, iSCSI, SMB, NFS, FTP, and S3. The system is ready for virtualization, media workflows, backup targets, video surveillance and more.

KEY CAPABILITIES

SECURITY, SPEED & SIMPLICITY ALL IN ONE

- With support for VAAI, VSS, and popular backup platforms, Unity NV4000 excels as both a primary storage solution and a hardened backup target.
- Advanced features like thin provisioning, replication, and high IOPS performance ensure it adapts to any IT strategy.

PROTECTION THAT'S ALWAYS ON

- Ransomware isn't slowing down and neither should your defenses.
- Unity NV4000 includes immutable snapshots and S3 object locking.
- Seamlessly integrates with leading backup solutions to deliver secure, immutable backup storage with simplified deployment.

ALL-FLASH PERFORMANCE FOR THE EDGE

- Unity NV4000 supports up to 737TB of flash, delivering highspeed, reliable storage for edge environments.
- FASTier® caching enhances responsiveness, while enterprise-grade protection ensures data stays secure and accessible at remote sites.

NEW SOFTWARE ENHANCEMENTS

- Unity software includes a built-in Cloud Connector for syncing with AWS S3, Azure, and the Unity NexObject™.
- SMB Access Audit allows administrators to monitor file access behavior with full visibility and reporting capabilities.

EASY INTEGRATION & ADMINISTRATION

- From AD and LDAP support to multi-factor authentication (MFA) with DUO and PCI-compliant TLS 1.2, NV4000 is ready for enterprise environments.
- It's easy to manage with robust snapshot control, LUN replication, and built-in monitoring.

1 MILLION IOPS

High Performance

FASTier ® SSD caching for accelerated workloads.

IMMUTABLE

Data Protection

Immutable snapshots and S3 object locking.

ON-PREMISES

Cost-Effective Storage

Avoid unpredictable long-term cloud costs.

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UNITY™ NV4000

PRODUCT OVERVIEW



CATEGORY	FEATURE	UNITY NV4000
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
	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.
	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.
	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 Ready Repository, 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.
PERFORMANCE AND CAPACITY	Performance (IOPS)	Up to 1,000,000
	Max Capacity with All-Flash | Rack U	1.47PB Raw | 8U
	Maximum Drives with Expansion	48 drives with 1 U2G424 expansion
	Maximum Raw Capacity with HDD Expansions | Rack U	1.24PB | 8U

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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