DATA SHEET

NEXSAN

UNITY™ NV6000

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

Unity™ NV6000 is a unified storage system designed to efficiently handle diverse mixed workloads, making it an ideal choice for Small and Medium-sized Enterprises. It offers the flexibility and performance required to meet the demands of both physical and virtual environments.

What sets Unity NV6000 apart is its unified architecture, seamlessly supporting Block and File operations, along with NexObject™ S3 Object Storage. This integrated approach simplifies storage management, reducing complexity and enhancing overall efficiency. With its extensive support for multiple data access protocols, including native iSCSI, FC, NFS, SMB and S3, Unity NV6000 ensures effortless integration with a wide array of enterprise applications.

KEY CAPABILITIES

ADVANCED DATA PROTECTION

- Unity NV6000 enhances data protection through Immutable Snapshots-secure, timelocked restore points that resist deletion or tampering.
- These snapshots, governed by strict retention policies and access controls, offer dependable protection against cyber threats.
- Unity's NexObject also supports S3 object locking for WORM compliance.

CLOUD INTEGRATION & S3 EDGE CACHING

- S3 Edge Caching capabilities leverage a built-in Cloud Connector for bidirectional sync with AWS S3, Azure, and Unity NexObject, supporting hybrid workflows and cloud tiering.
- Accelerate performance, minimize latency, and maximize data availability across hybrid environments, ideal for distributed workloads.

FASTier® CACHING ACCELERATES PERFORMANCE

- Nexsan's FASTier® technology boosts system speed by up to 10X using front-bay SSDs to cache both reads and writes.
- Fault-tolerant caching bridges the gap between SSD performance and HDD capacity, making it ideal for virtual desktops and high-demand workloads.

HIGH AVAILABILITY

- Maximize availability, strengthen data redundancy, and minimize downtime with Unity NV6000's dual-active controllers, ensuring business continuity and uninterrupted operations.
- No single point of failure. Redundant power and RAID protection keep data online through hardware failures.

1.5 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™ NV6000

PRODUCT OVERVIEW



CATEGORY	FEATURE	UNITY NV6000
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 1,500,000
	Max Capacity with All-Flash | Rack U	6.63PB Raw | 12U
	Maximum Drives with Expansion	216 drives with 2 U2G478 expansions
	Maximum Raw Capacity with HDD Expansions | Rack U	5.61PB | 12U

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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