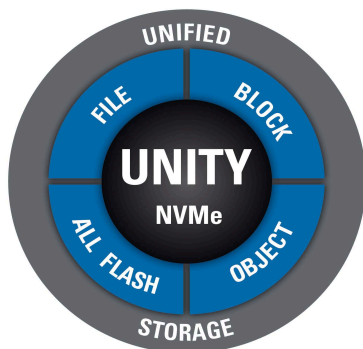


UNITY™ NV10000

Enterprise-Class Unified Storage with All-Flash NVMe & Immutable Snapshots



True Unified NVMe Storage Solution for Scaling Applications

The Unity™ NV10000 product enhances the Unity platform with All-Flash NVMe technology, ensuring top-notch performance, ample storage space, and versatility. With this technology, the Unity platform can handle data transfers at speeds of up to 20GB/s, adapting smoothly as your application demands change. The platform serves as an excellent primary storage option or as a FASTier® cache acceleration layer to speed up data access. Additionally, the Unity NV10000 supports various configurations and is built for easy expansion, meeting your specific storage and performance needs.

True Unified Solution

Unity supports block (iSCSI, FC), file (NFS, SMB) and object (S3) protocols that can adapt to any storage environment. Unity is deployed in financial institutions, multimedia production companies, hospitals, national labs for multiple applications. These include big data, backup/archive, data virtualization, databases, database dumps and log files, file sharing, video editing and more.

Security, Compliance and Ransomware Protection

Unity's Immutable Snapshot functionality provides advanced data protection and security. Once retention settings are applied, they cannot be altered, ensuring long-term data integrity. Strict access controls help defend against unauthorized access and threats like ransomware, making snapshots immutable and resistant to modification or deletion. Combined with optional Assureon® integration, organizations gain an added layer of ransomware-proof protection for tiered data and regulatory compliance.

The Unity S3 Object Store features object locking, enforcing WORM (Write Once, Read Many) immutability to ensure data remains unaltered. This is ideal for compliance-driven organizations and supports effective data lifecycle management. Together, Unity's snapshot, object lock, and AES-256 encryption capabilities deliver a comprehensive, multi-layered defense for modern data protection.

S3 Edge Caching for Hybrid Efficiency

Unity's built-in S3 Cloud Connector enables edge caching through bi-directional synchronization with AWS S3, Azure, and the Unity Object Store. This feature ensures frequently accessed data is available locally for faster response times while seamlessly syncing with the cloud for scalability and redundancy. Ideal for hybrid and distributed environments, S3 Edge Caching reduces latency, optimizes bandwidth usage, and ensures business continuity—even when cloud connectivity is limited. Unity delivers the flexibility and performance needed to extend enterprise workloads to the edge without complexity.

Feature-Rich, Enterprise-Ready

Unity delivers core enterprise features that are exactly what customers demand in a single platform for multi-protocol access along with advanced features like high availability, snapshots, ESXi integration, in-line compression, FASTier® caching, asynchronous and synchronous replication, data at rest encryption, and storage pool scrubbing to protect against bit rot, avoiding silent data corruption. Unity supports a comprehensive OS matrix and is certified for both Veeam Ready Repository and Veeam Object Ready.

All-Flash NVMe Configurations

The Nexsan Unity all-flash, high performance arrays make it straightforward and cost-effective to meet the needs of critical business applications. This system supports 736.8TB of raw NVMe all-flash capacity, and can also serve as a FASTier cache for up to 19.45PB of data capacity.

UNITY NV10000

Category	Feature	UNITY NV10000
ENTERPRISE FEATURES	Security, Compliance and Ransomware Protection	Unity includes support for immutable volume and file system snapshots, S3 object locking and integrates with Assureon® active data vault allowing enterprises to address a wide variety of data protection use cases. Supports AES software encryption for data at rest.
	Supports Multiple Protocols	SAN (Fibre Channel, iSCSI), NAS (NFS, CIFS, SMB1 to SMB3, FTP), Object (S3)
	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 Configuration	Unity is optimized to deliver the performance you need whether it's a hybrid or an all-flash configuration, making it easy and affordable to meet the application needs
	User Interface	Unity includes both a built-in HTML5-based UI 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
	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.
	Performance	Up to 2,000,000 IOPs
	3rd Party Software Supported	Windows VSS, VMware VAAI, Commvault, Veeam Ready Object and Repository & More
	SYSTEM CONFIGURATION	Supported Expansion Systems
Disk bays Rack U # JBODs Supported		24 2U up to 8
Maximum Drives with Expansion SEDs		360
Controllers Form Factor		2 2U
System Memory (DRAM)		up to 384GB per Controller
STORAGE MEDIA	2.5" NVME SAS SSDs (TB)	1.92 3.84 7.68 15.36 30.7
	Maximum Drives with Expansion	648
	HDDs, Self-Encrypting Drives (SED) and TLC Flash Supported	SED Requires E-Series Expansions See E-Series Data/Spec Sheet



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.