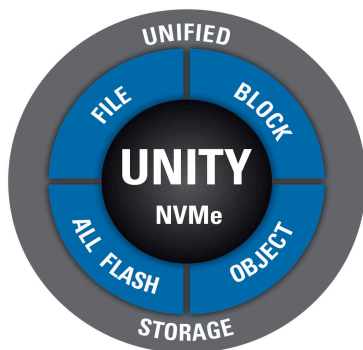**NEXSAN**

UNITY™ NV10000

Enterprise-Class Unified Storage with All-Flash NVMe

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.

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 as a Veeam Ready Repository.

Security, Compliance and Ransomware Protection

Unity's Immutable Snapshot functionality delivers advanced data protection and security. Designed with retention period settings that once set, its duration is irrevocable, ensuring data fidelity. Strict access controls are rigorously implemented to thwart unauthorized users and cybersecurity threats such as ransomware, rendering these snapshots immutable and impenetrable to modification or deletion. In addition to the immutable snapshots, Unity offers SED drives, bolstering the security landscape with advanced encryption capabilities.

The Unity S3 Object Store boasts a powerful feature: object locking. This ensures your data remains untouched and intact, serving as an extra layer of protection. Especially useful for large-scale enterprises, our system not only keeps data secure but also offers effective data life-cycle management policies. With S3 object locking in place, it enforces WORM (Write Once, Read Many) immutability, which means once data is stored, it can't be altered or deleted.

Using the Unity framework combined with the Assureon® active data vault, users can trust their data is safe from threats like ransomware and aligned with regulatory compliance standards. As malware increasingly attacks backups, Unity and Assureon team up to provide an Unbreakable Backup solution. This partnership ensures that data tiered to Assureon remains untouched and intact. If disaster strikes, Unbreakable Backup swiftly restores your original files, reducing downtime and avoiding costly ransoms.

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 368TB of raw NVMe all-flash capacity, and can also serve as a FASTier cache for up to 9.6PB 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 Multiple Protocols	SAN (Fibre Channel, iSCSI), NAS (NFS, CIFS, SMB1 to SMB3, FTP), Object (S3)
	Unbreakable Backup	When utilizing Unity plus the optional Assureon for backups, the immutable backup solution protects from ransomware attacks and can be implemented in various configurations including tiered, replicated and high availability.
	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
	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 20GB/s
	3rd Party Software Supported	Windows VSS, VMware VAAI, Commvault, Veeam Ready Repository & More
SYSTEM CONFIGURATION	Supported Expansion Systems	U2G460	E-Series for SED & TLC - See E-Series Data and Spec Sheet
	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)	192GB per Controller
STORAGE MEDIA	2.5" NVME 1DWPD SSDs (TB)	1.92	3.84	7.68	15.36
	Maximum Drives with Expansion HDDs	480
	HDDs, Self-Encrypting Drives (SED) and TLC Flash Supported	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 in order to continuously deliver purpose-built storage and data management solutions that meet complex and everchanging IT, business, and budgetary requirements.