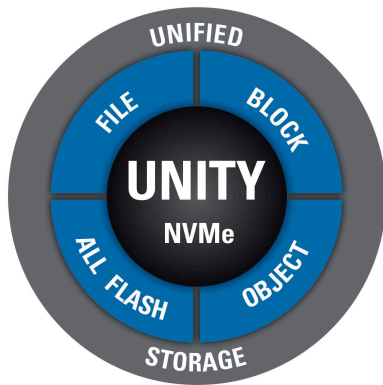


UNITY™ NV10000

Enterprise Class All-Flash NVMe Platform



True Unified NVMe Storage Solution for Scaling Applications

The Unity NV10000 product introduces All-Flash NVMe capabilities to the Unity platform, offering optimal performance, capacity and flexibility. This all flash NVMe solution boosts the Unity platform by providing bandwidths up to 20GB/s. This allows you to scale performance as your application needs evolve. This platform can be used as primary storage tier, or a FASTier™ cache acceleration layer. This solution also supports flexible configurations and is designed for simplified expansion providing for capacity and performance requirement.

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.

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 supports immutable snapshots of volumes and file systems. This enables the creation of locked-down point-in-time copies of data. The Unity S3 Object Store supports object locking, allowing customers to protect data by making it immutable. It also supports data life-cycle management policies, making it the ultimate storage solution for enterprise applications.

The advanced Unity architecture seamlessly works with the Assureon® active data vault and gives customers the peace of mind that their data is protected for regulatory compliance and from security breaches including ransomware. As malware is now also targeting backups, Unity with Assureon delivers an immutable Unbreakable Backup solution so you never have to worry about your ability to recover.

All-Flash NVMe Configurations

The Nexsan Unity all-flash, high performance arrays make it easy and affordable to meet the needs of critical business applications. The system supports 368TB of raw NVMe all-flash capacity, and can also serve as a FASTier cache for up to 8.64PB of data capacity.

Unity Makes Storage Easier with Data Migration and Cloud Connector

The optional add-on software provides data migration capabilities that make implementation even easier by replicating files from any legacy system. It also connects to numerous public clouds including Amazon S3, Google Cloud and Microsoft Azure, allowing organizations to move data as needed for tiered storage and optimizing hybrid cloud infrastructures.



UNITY 10000

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
	Data Migration and Cloud Connector	This optional functionality includes a cloud connector to numerous public clouds including Amazon S3, Google Cloud And Microsoft Azure. The migration utility is utilized to seamlessly migrate data to Unity.
	Performance	Up to 20GB/s
	3rd Party Software Supported	Windows VSS, VMware VAAI, Commvault, Veeam Ready Repository & More
SYSTEM CONFIGURATION	Supported Expansion Systems	US224** U2G460** E-Series for SED & QLC - See E-Series Data/Spec Sheet
	Disk bays Rack U # JBODs Supported	24 2U up to 8***
	Maximum Drives with Expansion HDDs SSDs	480 216
	Controllers Form Factor	2 2U
	System Memory (DRAM)	Up to 192GB per Controller
STORAGE MEDIA	2.5" NVME 1DWPD SSDs (TB)	1.92 3.84 7.68 15.36
	Maximum Drives with Expansion HDDs SSDs	480 216
	Self-Encrypting Drives (SED) and QLC Flash Supported	Requires E-Series Expansions See E-Series Data/Spec Sheet

*16/32Gb FC, 1/10/25/40/100 GbE

**Optional SAS SSD All-Flash expansion and HDD expansion

***HDD expansions require Read/Write FASTier Cache NVMe SSDs in head unit. SSD expansions do not require Fastier

ABOUT NEXSAN

Nexsan® is a global enterprise storage leader since 1999 delivering the most reliable, cost-effective and highly efficient storage solutions. Nexsan's solution portfolio empowers enterprises to securely store, protect and manage valuable business data with a broad product line of all-flash NVMe, unified storage, block storage, and secure archiving. Nexsan is a proud member of the StorCentric Family. www.nexsan.com

