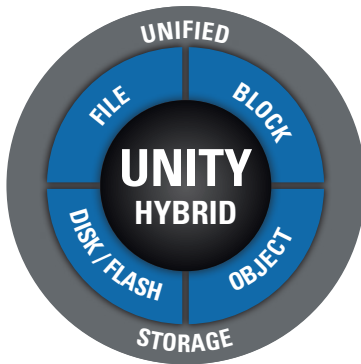


# UNITY™ 3100 3300 & 7900

## TRUE UNIFIED STORAGE



### Unity™ Enterprise-Class Unified Storage is a Powerful Solution for Mixed Workloads

Unity is a high availability hybrid solution designed specifically for enterprises. The Unity solutions feature flexible configurations and design for simplified expansion providing for capacity and performance requirements. Furthermore, the performance has been improved by up to 40% over the previous version, providing up to 13 GB/s throughput.

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.

### Unity is a 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.

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.

### Accelerate Performance

Unity delivers the performance you need in unified storage by blending DRAM and SSD to optimize data access operations in a fault-tolerant architecture.

Unity architecture uses NVDIMMs for write I/O acceleration as well as a FASTier caching layer to speed up I/O in all environments, providing the performance where it's needed. The flexible capacity scaling allows you to select the capacity and performance needed for your applications.

### All-Flash Configurations

The Nexsan Unity all-flash, high performance arrays make it easy and affordable to meet the needs of critical business applications. All systems support all-flash configurations with the Unity7900 scaling to 3.3PB in 18U.

### 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 3100, 3300 & 7900

Category	Feature	UNITY3100	UNITY3300	UNITY7900
<b>ENTERPRISE FEATURES</b>	Security, Compliance and Ransomware Protection	Unity includes support for immutable LUN and file system snapshots, S3 object locking and integrates with Assureon active data vault that allows enterprises to address a wide variety of data protection use cases.		
	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		
	Supports Multiple Protocols	SAN (Fibre Channel*, iSCSI), NAS (NFS, CIFS, SMB1 to SMB3, FTP), Object (S3)		
	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 500,000 IOPs (All-Flash)		
	3rd Party Software Supported	Windows VSS, VMware VAAI, Commvault, Veeam Ready Repository & More		
	<b>SYSTEM CONFIGURATION</b>	Disk bays   Rack U   # JBODs Supported	16   3U   N/A	16   3U   up to 2
Supported Expansion Systems		N/A	US224**   US316   U2G460   E-Series for SED & QLC	US224**   U2G460   E-Series for SED & QLC
Maximum Drives with Expansion HDDs   SSDs		12   10	120   64	480   216
Maximum Raw Capacity Not Compressed HDDs   SSDs		192TB   76.8TB	2.16PB   1.15PB	8.64PB   3.88PB
Controllers		2		
System Memory (DRAM)		256GB		448GB
<b>STORAGE MEDIA</b>	FASTier Write Cache	1.92TB SSD	1.92TB SSD	16GB NVD IMM
	FASTier Read Cache	1.92TB SSD	1.92TB SSD	
	3.5" 7.2K RPM SAS HDDs (TB)	6   10   16	4   6   8   10   12   14   16   18	
	2.5" SAS 1DWPD SSDs (TB)	1.92   3.84   7.68	1.92   3.84   7.68   15.36	
	Self-Encrypting Drives (SED) and QLC Flash Supported	N/A	Requires E-Series Expansions - see Spec Sheet	

\*U3100 does not support Fibre Channel.

\*\*For an All-Flash Configuration only the US224 is supported for expansion.



## 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](http://www.nexsan.com)

