

# UNITY™ 3300 & 7900 UNBREAKABLE BACKUP

## Unity™ Offers a Dual Approach to Manage and Protect Your Backup Data

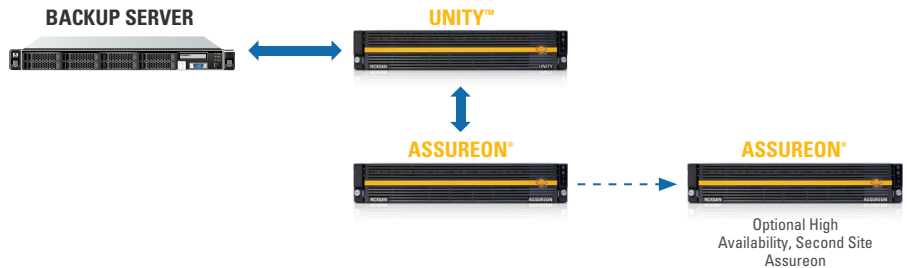
Backup is an essential part of an organization’s overall data management strategy. It is clear that the ability to store and access data isn’t sufficient, and that maintaining consistent copies of data and being able to access it at any time, is integral to business.

The Unity storage solution has been proven to be a reliable and performant backup target for many backup applications; however as ransomware attacks have evolved, backups have become a target of these threats, putting companies at a greater risk. If you’ve been lucky enough to survive your first ransomware attack, be ready because ransomware is a repeat offender.

## Unity™ Offers a Unique Approach with Unbreakable Backup

You need to protect all of your unstructured data - all the way through the backups. Backups have been the latest malware targets basically eliminating any chance of recovery. With Unity and the Assureon®, an active data vault, working together, the solution creates an immutable copy of any data tiered to the Assureon.

Assureon utilizes Private Blockchain to protect and store digital assets in an immutable data structure, utilizes cryptography to secure transactions and relies on an automated integrity audit at the redundant sites to maintain data integrity and transparency. Combined with the Assureon unique file fingerprinting and asset serialization process, metadata authentication and a robust consensus algorithm, Assureon protects data in a format that guarantees integrity and malware protection. Unity with Assureon can be utilized for all active data and/or for an Unbreakable Backup.



## Unity™ for Backup

The advanced Unity architecture supports block and file access allowing it to integrate easily with any backup solution. Unity is a Veeam Ready Repository and has been utilized in countless backup environments including CommVault.

Data integrity and availability are key features of the Unity array. Policy-driven and scheduled data integrity checks scrub the data for faults, and auto-heals these without any user intervention. Dual controllers and RAID-based protection guarantees data access in the event of component failure. The replication capabilities enable you to keep an additional copy of your backups on a different site for disaster recovery and high availability. Together, these make the Unity a robust backup storage solution.



# UNITY 3300 & 7900

Category	Feature	UNITY3300	UNITY7900
<b>ENTERPRISE FEATURES</b>	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.	
	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. See Assureon Spec Sheet for details.	
	Flexible Configurations	Unity is optimized to deliver the capacity and performance you need whether it's a hybrid configuration or an all-flash, making it easy and affordable to meet 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	
	Performance	Up to 500,000 IOPs (All-Flash)	
	Third Party Integrations	Windows VSS, VMware VAAI, Backup Solutions: Commvault, Veeam Ready Repository & More	
<b>SYSTEM CONFIGURATION</b>	Disk bays   Rack U   # JBODs Supported	16   3U   up to 2	24   2U   up to 8
	Supported Expansion Systems	US224*   US316   U2G460   E-Series for SED	US224*   U2G460   E-Series for SED
	Maximum Drives with Expansion HDDs   SSDs	120   64	480   216
	Maximum Raw Capacity Not Compressed HDDs   SSDs	2.16PB   983TB	8.64PB   3.31PB
	Controllers	2	
	System Memory (DRAM)	256GB	448GB
<b>STORAGE MEDIA</b>	FASTier Write Cache	1.92TB SSD	16GB NVD IMM
	FASTier Read Cache Drive Capacities	1.92TB SSD	
	3.5" 7.2K RPM SAS HDDs (TB)	4   6   8   10   12   14   16   18	
	2.5" SAS 1DWPD SSDs (TB)	1.92   3.84   7.68   15.36	
	Self-Encrypting Drives (SED)	Requires E-Series Expansions - see Spec Sheet	

\*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)

