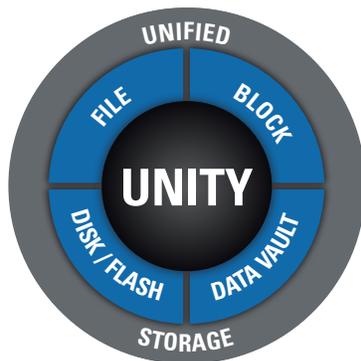**NEXSAN**
A StorCentric Company

UNITY™ 3100 3300 & 7900 UNIFIED STORAGE

Unity™ Third Generation 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. 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, inline compression, FASTier™ caching, asynchronous and synchronous replication, data at rest encryption, and advanced checksums and background scrubbing to avoid silent data corruption. Unity supports a comprehensive OS matrix and is certified as a Veeam Ready Repository.

Unity™ is deployed in the most demanding SAN and NAS enterprise environments from financial institutions, tv and movie production companies, hospitals, national labs doing research and for applications including backup, virtualization, databases, file sharing, video editing and more. The advanced unified architecture provides a single platform that can support block (iSCSI, FC) and file (NFS, SMB) that simplifies and consolidates storage environments.

Unity™ Makes Storage Easier with Data Migration and Cloud Connector

The Unity™ unified advanced storage platform now includes the ability to connect to eighteen public clouds including Amazon S3 and Google Cloud Storage, allowing organizations to move data as needed for tiered storage and optimizing hybrid cloud infrastructures. The data migration capability makes implementation even easier by replicating files from any legacy system. This allows for ingest into Unity with fine-grained filtering and continuous incremental updates available to ensure your Unity is ready for use as quickly as possible.

Security, Compliance and Ransomware Protection

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.

Hybrid Configurations

Unity delivers the performance you need in unified storage by blending solid state memory including DRAM and SSD to optimize block and file operations into a fault tolerant architecture. Unity architecture uses NVDIMMs for write IO acceleration as well as a FASTier™ caching layer to speed up IO 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 while providing up to a 50% performance increase over the second generation Unity.

UNITY

UNITY 3100, 3300 & 7900

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Category	Feature	UNITY3100	UNITY3300	UNITY7900
ENTERPRISE FEATURES	Data Migration and Cloud Connector	This optional functionality includes a cloud connector to 18 public clouds, including Amazon S3 and Google Cloud Storage. The migration utility is utilized for ingest to quickly migrate off of your legacy system into the new Unity platform.		
	Security, Compliance and Ransomware Protection	By adding the optional Assureon® active data vault, unstructured data can be tiered into a unique immutable format protecting organizations for regulatory compliance and from malware attacks and data loss.		
	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 Configurations	Unity is optimized to deliver the performance you need whether it's a hybrid configuration or an all-flash, making it easy and affordable to meet the application needs.		
	Supports Multiple Protocols	SAN Protocols (Fibre Channel*, iSCSI), NAS Protocols (NFS, CIFS, SMB 1.0 to 3.0, FTP)		
	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 in an All-Flash Configuration		
	3rd Party Software Supported	Windows VSS, VMware VAAI, Commvault, Veeam Ready Repository & More		
SYSTEM CONFIGURATION	Disk bays | Rack U | # JBODs Supported	16 | 3U | N/A	16 | 3U | up to 2	24 | 2U | up to 8
	Supported Expansion Systems	N/A	US224** | US316 | USG460 | E-Series for SED & QLC	US224** | USG460 | 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	1.68PB | 983TB	6.72PB | 3.31PB
	Controllers	2		
	System Memory (DRAM)	256GB		448GB
STORAGE MEDIA	FASTier Write Cache	800GB SSD	1.6TB SSD	16GB NVDIMM
	FASTier Read Cache	800GB SSD	1.6TB SSD	
	3.5" 7.2K RPM SAS HDDs (TB)	6 | 10 | 16	4 | 6 | 8 | 10 | 12 | 14 | 16***	
	2.5" SAS 1DWPD SSDs (TB)	1.92 | 3.84 | 7.68	800GB | 1.92 | 3.84 | 7.68 | 15.36	
	Self-Encrypting Drives (SED) and QLC Flash Supported	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.
***16TB Drives not supported on U2G460 System Expansion.

veeAM READY Repository   **vmware** READY   **CiTRIX** ready™   ■■ Microsoft

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