

UNITY™ NV10000

TRUE UNIFIED STORAGE



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, SMB 1.0 to 3.0, 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 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.
	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.
	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 20 GB/s
	3rd Party Software Supported	Windows VSS, VMware VAAI, Commvault, Veeam Ready Repository & More
	High Availability	No single point-of-failure architecture with dual redundant storage controllers, redundant power supplies and RAID.
SYSTEM CONFIGURATION	Disk bays # JBODs Supported	24 up to 8***
	Form Factor	2U
	System Memory/DRAM	Up to 192GB per Controller
	Supported Expansion Systems	US224** U2G460** E-Series for SED & QLC - See E-Series Data/Spec Sheet
	Controllers	2
STORAGE MEDIA	2.5" NVME 1DWPD SSDs (TB)	1.92 3.84 7.68 15.36
	Self-Encrypting Drives (SED) and QLC Flash Supported	Requires E-Series Expansions - See E-Series Data/Spec Sheet
	Maximum Drives with Expansion HDDs SSDs	480 216

*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

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SELF-ENCRYPTING DRIVES (SED) AND QLC SUPPORTED CHASSIS	Number of Chassis Supported	6: 2 E-Series Head Unit + 4 Expansions
	3.5" 7.2K Drives (TB)	4 6 10 12 14 16 18 20
	SED E-Series Chassis Supported	All E-Series and BEAST Products
	Maximum Raw Capacity with SED Rack U	Up to 7.2PB 26U
	2.5" QLC Flash Drives (TB)	1.92 3.84 7.68
	QLC E-Series Chassis Supported	E18F (2U) E32F (2U) + Expansions
	Maximum Raw Capacity with QLC Rack U	2.33PB 22U
HOST CONNECTIVITY	8Gb/s Fibre Channel Max Number of Ports/System	8 using dual port cards
	16Gb/s Fibre Channel Max Ports	8 16 with dual port
	32Gb/s Fibre Channel Max Ports	8 with dual port
	100GbE Max Number of Ports/System	2
	40GbE Max Number of Ports/System	4
	25GbE Max Number of Ports/System	4
	10GbE Max Number of Ports/System	12
	1GbE Max Number of Ports/System	16
10GbE Embedded Standard Configuration	YES	
SYSTEM STORAGE SERVICES	Max NFS File Systems	512
	Max CIFS File Systems	512
	Max Snapshots per File System/LUN	2048
	Max LUNs per Target	255
	Max LUN Size	256TB
	System Max LUNs	255 - Fibre Channel* 1024 - iSCSI
	Max Snapshots per LUN	2048
	Replication	Synchronous and asynchronous per storage pool, LUN and file system
POWER, COOLING & ENVIRONMENTAL	Number of hot-swappable power supplies - head units	2
	Voltage, Frequency	100-240V 50-60Hz
	Operating Temperature	10-35C, 50-95F
	Operating Humidity	20-95% (non-condensing)
	Wattage per Controller	1200W
	Maximum Power/Controller Node	1200W
SIZE & WEIGHT	Controller Form Factor	2U
	Dimension (WxHxD)	17.2 x 3.5 x 26.75 in 437 x 89 x 679 mm
	Controller Unit Weight	85 lbs. (38.6 kg.) 90 lbs. (40.8 kg.)

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RAILS & CABLES	Mounting Rails and SAS Cables included	YES
POWER CABLE	Power Cable	5-15 & C13/C14
SAS STORAGE CHASSIS FOR EXPANSION	12Gb/s SAS Standard Configuration (per controller) # of SAS Ports	4
	12Gb/s SAS Standard Configuration PCIe Card Type (per controller)	Quad Port
	Storage Chassis Supported	Front Bay US224* U2G460** E-Series for SED or QLC - See E-Series Data/Spec Sheet

Category	Feature	US224	U2G460
UNITY STORAGE EXPANSION CHASSIS	Chassis Form Factor	2U	4U
	Dimension (WxHxD)	17.2 x 3.5 x 26.75 in 437 x 88 x 679 mm	17.61 x 6.89 x 28.03 in 447 in x 175 x 712 mm
	Storage Unit Weight	85 lbs full 56 lbs empty	175 lbs full 60 lbs empty
	Number of hot-swappable power supplies	2	
	Voltage, Frequency	100-240V 50-60Hz	200-240V 50-60Hz
	Operating Temperature	10-35°C, 50-95°F	5-40°C, 41-104°F
	Operating Humidity	20-95% (non-condensing)	5-85%
	Power Supply Wattage	1,200W	1,650W
	Power Cable	5-15 & C13/C14	C13/C14

*US224 - All-Flash SAS SSD Expansion unit.

**U2G460 - HDD Expansion unit.



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