

UNITY™ NV10000

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.
	FASTier® Caching	Nexsan's FASTier acceleration technology leverages the power of solid-state to accelerate the performance of the underlying spinning disks by a factor of up to 10X.
	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	U2G460 E-Series for SED & TLC - 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 TLC Flash Supported	Requires E-Series Expansions - See E-Series Data and Spec Sheet
	Maximum Drives with Expansion SEDs HDDs	360 480

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SELF-ENCRYPTING DRIVES (SED) AND TLC 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" TLC Flash Drives (TB)	1.92 3.84 7.68
	TLC E-Series Chassis Supported	E18F (2U) E32F (2U) + Expansions
	Maximum Raw Capacity with TLC 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 U2G460 E-Series for SED or TLC See E-Series Data/Spec Sheet

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



ABOUT NEXSAN

Nexsan® is a global leader in enabling customers to securely store, protect, and manage data. Established in 1999, Nexsan has earned a reputation for delivering the most highly reliable, secure, and cost-effective storage, while always remaining agile in order to continuously deliver purpose-built storage and data management solutions that meet complex and everchanging IT, business, and budgetary requirements. Nexsan's patented technology is ideal for a variety of use cases including Financial, Healthcare and Life Sciences, Government, Military, Law Enforcement, Education, Media and Entertainment, and Call Centers. For further information, please visit: www.nexsan.com.