

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® to address a wide variety of data protection use cases. Supports AES software encryption for data at rest.
	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 - Multi-factor Authentication (MFA) with DUO Security.
	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, Arcserve, 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 384GB per Controller
	Supported Expansion Systems	U2G460 U2G478 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 30.7
	Max Capacity with All-Flash NVMe Rack U	736.8TB 2U
	3.5" 7.2K Drives (TB)	4 6 8 10 12 14 16 18 20 22 24
	Maximum Drives with Expansion	648
	Maximum Raw Capacity with Expansions Rack U	Up to 19.45PB 34U

Category	Feature	UNITY NV10000
SELF-ENCRYPTING DRIVES (SED) AND TLC SUPPORTED CHASSIS	Number of Chassis Supported	6: 2 E-Series Head Unit + 4 Expansions
	SEDs (TB) SED Expansion	4 6 8 10 12 14 16 18 20 Max Drives - 360
	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" SAS SSDs (TB)	1.92 3.84 7.68 15.36 30
	TLC E-Series Chassis Supported	E18F (2U) E32F (2U) + Expansions
	Maximum Raw Capacity with TLC Rack U	10.8PB 22U
HOST CONNECTIVITY	8Gb/s Fibre Channel Max Number of Ports/System	4 using dual port cards
	16Gb/s Fibre Channel Max Ports	4 with dual port
	32Gb/s Fibre Channel Max Ports	4 with dual port
	100GbE Max Number of Ports/System	4
	40GbE Max Number of Ports/System	4
	25GbE Max Number of Ports/System	4
	10GbE Max Number of Ports/System	8
	1GbE Max Number of Ports/System	8
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	0-35C, 32-95F
	Operating Humidity	5-95% (non-condensing)
	Wattage per Controller	1300W
	Maximum Power/Controller Node	1300W
SIZE & WEIGHT	Controller Form Factor	2U
	Dimension (WxHxD)	17.1 x 3.4 x 35.9 in 435 x 87 x 911 mm
	Controller Unit Weight	95 lbs. (43.5 kg.)

Category	Feature	UNITY NV10000
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 U2G478 E-Series for SED or TLC See E-Series Data/Spec Sheet

Category	Feature	U2G460	U2G478
UNITY STORAGE EXPANSION CHASSIS	Chassis Form Factor	4U	4U
	Dimension (WxHxD)	17.61 x 6.89 x 28.03 in 447 x 175 x 712 mm	17.61 x 6.89 x 28.03 in 447 x 175 x 712 mm
	Storage Unit Weight	175 lbs full 60 lbs empty	234 lbs full 78 lbs empty
	Number of hot-swappable power supplies	2	2
	Voltage, Frequency	200-240V 50-60Hz	200-240V 50-60Hz
	Operating Temperature	5-40°C, 41-104°F	0-60°C, 32-140°F
	Operating Humidity	5-85%	10-90%
	Power Supply Wattage	1650W	1600W
	Power Cable	C13/C14	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 to continuously deliver purpose-built storage and data management solutions that meet complex and ever-changing IT, business, and budgetary requirements. Nexsan's patented technology is ideal for a variety of use cases including backup and recovery, content delivery and streaming, scientific lab data, virtualization, evidentiary data, digital video surveillance, regulatory compliance, and healthcare records. For further information, please visit www.nexsan.com.