

UNITY™ UNIFIED STORAGE SYSTEMS SPECIFICATION SHEET



Category	Feature	UNITY2200 ENTRY LEVEL	UNITY4400 MID-RANGE	UNITY6900 HIGH-END
ENTERPRISE FEATURES	Enterprise n-Way Synchronization	Sync designated NAS data between local or remote Unity™ storage systems.		
	Mobile, Web & Desktop Apps	Give remote access to users without the need for VPN so they can work anywhere and be more productive.		
	Private Cloud	All data is stored, managed and synchronized in a private, on-premises cloud environment for security, privacy and compliancy.		
	Authentication	Active Directory, LDAP, and Local		
	Access	Windows, Mac, iOS and Android Apps plus secure, private Web Access		
	All-Flash Configuration	The all-flash configurations are optimized to get the most out of the flash SSDs while providing the performance to meet the most demanding applications.		
	Data Services	Advanced data reduction, thin provisioning with dead space reclamation, replication, snapshots, multi-site synchronization, and enterprise file sync and share.		
	Supports Multiple Protocols	SAN Protocols (Fibre Channel, iSCSI), NAS Protocols (NFS, CIFS, SMB 3.0, FTP)		
	Transfer Optimization	On-the-fly data compression, UDP-based transport for bandwidth optimization over high-speed WAN links.		
HIGH AVAILABILITY	Dual redundant storage controllers with automatic failover	YES		
	No single point-of-failure architecture	YES		
SYSTEM CONFIGURATION	Controllers	2		
	Controller Form Factor	3U	2U	
	CPU cores per system	16		24
	CPU Type	Intel® Xeon® Processor E5 v4 Family		
	System Memory (DRAM, per controller)	64GB	96GB	192GB
	Write Cache Capacity (raw, per controller)	400GB SSDs	8GB NVDIMM	16GB NVDIMM
	FASTier Read Cache Max Capacity	3.84TB	35TB	100TB
	FASTier Read Cache Max Devices	2	11	29

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STORAGE ARRAYS	FASTier Read Cache Device Capacities	800GB 1.92TB	800GB 1.92TB 3.84TB	
	Maximum Raw Capacity	280TB	1.89PB	4.74PB
	Maximum Number of Chassis (with Front Bay)	2	4	9
	RAID Levels	5 6 10		
STORAGE MEDIA	7.2K RPM SAS HDDs	2TB 4TB 6TB 8TB 10TB		
	Maximum number of 7.2K RPM SAS HDD	28	171	456
	Maximum 7.2K RPM SAS HDD storage capacity (raw)	224TB	1.4PB	4.1PB
	10K RPM SAS HDDs	600GB 900GB 1.2TB 1.8TB		
	Maximum Number of 10K RPM SAS HDD	N/A	88	198
	Maximum 10K RPM SAS HDD storage capacity (raw)	N/A	158.4TB	356.4TB
	SAS SSDs	800GB 1.92TB 3.84TB 7.68TB		
	Maximum Number of SAS SSDs	32	96	216
	Maximum SAS SSDs storage capacity (raw)	245TB	752TB	1.69PB
HOST CONNECTIVITY	8Gb/s Fibre Channel Max Number of Ports/System	8 using dual port cards		
	16Gb/s Fibre Channel max ports	8		
	10GbE Max Number of Ports/System	12		
	1GbE Max Number of Ports/System	16		
	1GbE I/O Embedded Standard Configuration	YES		
	10GbE I/O Embedded Standard Configuration	YES		
	PCIe Slots for Additional Host Connectivity	YES		
	1GbE PCIe Cards Optional	YES		
	10GbE PCIe Cards Optional	YES		
	8Gb/s FC I/O PCIe Cards Optional	YES		
	1GbE I/O Ports	YES		
	10GbE I/O Ports	YES		
	8Gb/s FC I/O Ports	YES		

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SYSTEM STORAGE SERVICES	Client Support	Linux, OS X, Windows, ESXi, Hyper-V, XenServer		
	Maximum Single File Size	16TB		
	Max NFS File Systems	512		
	Max CIFS File Systems	512		
	Max Snapshots per File System	2048		
	Max LUNs per Target	255		
	Max LUN Size	64TB		
	System Max LUNs	255 - Fibre Channel 1024 - iSCSI		
	Max Snapshots per LUN	2048		
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	920W		
	Maximum Power/Controller Node	920W		
	Heat Dissipation	Line 113 Battery 714		
SIZE & WEIGHT	Controller Form Factor	3U	2U	
	Dimension (WxHxD)	17.2 x 3.5 x 26.75 in 437 x 88 x 679 mm	17.2 x 5.2 x 26.75 in 437 x 132 x 679 mm	
	Controller Unit Weight	85 lbs. (38.6 kg.) 90 lbs. (40.8 kg.)	85 lbs. (38.6 kg.) 90 lbs. (40.8 kg.)	
RAILS & CABLES	Mounting Rails and SAS Cables included	YES		
SAS STORAGE CHASSIS FOR EXPANSION	12Gb/s SAS Standard Configuration (per controller) # of SAS Ports	1	2	4
	12Gb/s SAS Standard Configuration PCIe Card Type (per controller)	Onboard	Dual-Port	Quad-Port
	Storage Chassis Supported	Front Bay UNITY2200X	Front Bay US316 US424 US224 US460	

Category	Feature	US224	US316 & 2200X	US424	US460
UNITY STORAGE EXPANSION CHASSIS	Controller Form Factor	2U	3U	4U	4U
	Dimension (WxHxD)	17.2 x 3.5 x 26.75 in 437 x 88 x 679 mm	17.2 x 5.2 x 26.75 in 437 x 132 x 679 mm	17.2 x 7 x 27 in 437 x 178 x 686 mm	16.69 x 6.88 x 34.60 (43.7 w/ CMA) in 424 x 174 x 871.2 (1110 w/ CMA)
	Storage Unit Weight	85 lbs full 56 lbs empty	75 lbs full 54 lbs no drives	N/A	207.6 lbs full 99.6 lbs no drives
	Number of hot-swappable power supplies	2			
	Voltage, Frequency	100-240V 50-60Hz			200-240V 60Hz
	Operating Temperature	10-35C, 50-95F			
	Operating Humidity	20-95% (non-condensing)			
	Power Supply Wattage	1,200W		1,600W	920W

ABOUT NEXSAN

Nexsan is a global leader in storage, back up and data management solutions that are focused on seamlessly and securely enabling a connected workforce. Its broad solution portfolio empowers enterprises to securely store, protect and manage valuable business data – allowing users to sync, share and access files from any device, anywhere, anytime. www.nexsan.com