

UNITY UNIFIED STORAGE SYSTEMS SPECIFICATION SHEET



Category	Feature	UNITY2000 ENTRY LEVEL	UNITY4000 MID-RANGE	UNITY6000 HIGH-END
ENTERPRISE FEATURES	Enterprise n-Way Synchronization	Designated NAS datasets are synchronized with datasets in one or many other local or remote sites.		
	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		
PROTOCOLS	Supports Multiple Protocols	FC, iSCSI, NFS, CIFS/SMB, FTP		
	Transfer Optimization	On-the-fly data compression, UDP based transport for bandwidth optimization over UDP-based WAN links		
SYSTEM CONFIGURATION	Controllers	2		
	CPU cores per system	16		24
	CPU Type	Xeon		
	System Memory (DRAM)	96GB		192GB 384GB
	Write Cache Capacity (raw, per controller)	200GB SSDs	8GB NVDIMM	32GB Battery-backed DRAM
	FASTier Read Cache Max Capacity	1.6TB	3.2TB	9.2TB
	FASTier Read Cache Max Devices	2	22	44
	FASTier Read Cache Device Capacities	400GB 800GB	400GB	400GB 800GB
STORAGE ARRAYS	Maximum Raw Capacity	168TB	2.1PB	5PB
	Storage Chassis	2	6	9 Direct 21 via SAS Switch
	RAID Levels	5 6 10		

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STORAGE MEDIA	Maximum 7.2K RPM SAS HDD storage capacity (raw)	168TB	2.1PB	5PB
	7.2K RPM SAS HDDs	2TB 4TB 6TB	2TB 4TB 6TB 8TB	
	Maximum number of 7.2K RPM SAS HDD	28	360	1260
	Maximum 10K RPM SAS HDD storage capacity (raw)	53TB	345TB	1.2PB
	10K RPM SAS HDDs	600GB 900GB 1.2TB	600GB 900GB 1.2TB 1.8TB	
	Maximum Number of 10K RPM SAS HDD	44	192	672
HIGH AVAILABILITY	Dual redundant storage controllers with automatic failover	YES		
	No single point-of-failure architecture	YES		
HOST CONNECTIVITY	8Gb/s Fiber Channel Max Number of Ports/System	4		16
	10GbE Max Number of Ports/System	8		12
	1GbE Max Number of Ports/System	16		
	1GbE I/O Embedded Standard Configuration	YES		NO
	10GbE I/O Embedded Standard Configuration	NO		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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SAS STORAGE CONNECTIVITY: NEXSAN E-SERIES V ARRAYS	6Gb/s SAS Standard Configuration # of SAS Ports	1	4	6
	6Gb/s SAS Standard Configuration PCIe Card Type	Onboard	Quad-Port	Dual-Port + Quad-Port
	6Gb/s SAS Switch Optional	NO		YES
	Nexsan E-Series V RAID Array Expansion Units	N/A	6	21
	E-Series V Arrays Types Available	N/A	Models 18 32 48 60	
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	4	
	Voltage, Frequency	100-240V 50-60Hz		
	Operating Temperature	10-35C, 50-95F		
	Operating Humidity	20-95% (non-condensing)		
	Wattage per Controller	920W	750W	
	Maximum Power/Controller Node	920W	750W	
	Heat Dissipation	Line 113 Battery 714		
SIZE & WEIGHT	Controller Form Factor	2U		6U
	Dimension (WxHxD)	17.2 x 3.5 x 26.75 in 437 x 88 x 679 mm		17.2 x 3.5 x 27.9 in 43.8 x 8.76 x 70.78 cm
	Controller Unit Weight	85 lbs. (38.6 kg.) 90 lbs. (40.8 kg.)		>40 lb, >18.1 kg
RAILS & CABLES	Mounting Rails and SAS Cables included	YES		

		UNITY6000 HIGH-END	
VAULT PROTECTION MODULE: System Storage Services		120 V	230 V
SIZE & WEIGHT	Dimensions (H x W x D)	1U - 1.7 x 17.2 x 21.8 in 43.2 x 438 x 554 mm	
	Weight	44.1 lbs 20 kg	
BATTERY	Battery Description	Sealed. Lead-acid. Maintenance free.	
	Battery Management	Battery life management and advanced warning for battery replacement	
ELECTRICAL	Input/Output Connections	Input: (1) NEMA 5-15P; Output: (5) NEMA 5-15R	Input: (1) C14; Output: (6) C13
	Input/Output Nominal Voltage	120V (adjustable to 100/120/125 V)	230V (adjustable to 200/208/220/230/240 V)
	On Utility Voltage Regulation	50 Hz 60 Hz	
	On Utility Voltage Regulation	102 - 132 V	
	On Batter Voltage Regulation	- 10% - + 6% of Nominal	
COMMUNICATIONS	User Interface	LCD Graphical Display	
	LEDs	Load protected, on battery and fault	
OTHER	Communication Card Slots	One Slot	
	RoHS Compliance	Yes	
	Heat Dissipation (BTU)	Line: 113, Battery 714	
	Audible Noise	< 45 dB at 1 meter	
	Operating Temperature	0-40C, 32-104F	
	Performance - Safety - EMC	UL 1778, UL497A	
	Safety Markings	cULus, CE	
	EMC Markings	IEC 62040-2 C1-C2 / EN 55024 / CISPR22 Class B / FCC part 15 Class B	
	Storage Temperature	-15 – 40C, 5-10F	
	Relative Humidity	0-95% (non-condensing)	

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