NEXSAN
A StorCentric Company

E-SERIES P
ENTERPRISE SOLUTIONS

Category	Feature	E-SERIES 18P	E-SERIES 48P	E-SERIES 60P
ENTERPRISE FEATURES	Active Drawer Technology™	Drives remain active when drawer is open for easy hot-swappable drive management.		
	Cool Drive Technology™	Optimizes air flow and component cooling to increase reliability.		
	Anti-Vibration Design	Reduces rotational vibration to improve system performance and reliability.		
	AutoMAID® Power Management	Configurable power savings of up to 87% reduces operating expenses and extends the overall life of the system.		
	E-Flex Architecture	Enables the selection of up to 2 of any E-Series expansion units or a mix thereof: E18X | E48X | BT60X | E60X		
	Self-Encrypting Drives (SED) (optional)	AES-256 Drives for data at rest protection.		
	FIPS Self-Encrypting Drives (optional)	FIPS 140-2 level 2 certified SED drives to meet regulatory compliance.		
	Array-based Snapshots and Replication	Snapshot and replication are embedded into E-Series for application-consistent snapshots and asynchronous replication to support demanding data protection requirements.		
	Key Third Party Integrations	Windows, VMware, Veeam, Commvault, Hyper-V and Xen		
	Industry-leading High Speed Host Interface Flexibility	With 12 high speed host interface ports of 16Gb FC and 10GbE iSCSI, you can reduce the need for expensive network switches. The ports are customer-configurable between 8Gb FC, 16 Gb FC, and 10GbE at any time.		
	High-Speed Replication via 10GbE iSCSI	Enables nearly 10X faster data replication while maintaining full host performance via 16Gb FC or 10GbE.		
	Stress Testing to Improve Reliability	Individual drives are stress tested and then, prior to shipment, all drives are again tested within the system.		
	Accelerated RAID	Delivers a significantly improved random write performance at a lower price than pure SSD-based arrays.		
STORAGE ENCLOSURES	Disk bays | Rack U	18 | 2U	48 | 4U	60 | 4U
	Number of Active Drawers	2	3	
	Expansion Unit	E18X	E48X	BT60X | E60X
	Maximum Drives with Expansion	138	168	180
	Maximum Raw Capacity (chassis | total)	360TB | 2.76PB	960TB | 3.36PB	1.20PB | 3.60PB
	Max Reads (MB/s)	2800	7500	
	Max Writes (MB/s)	2300	5400	
	Maximum IOPS	86,000	150,000	
	Mix 7.2K, 10K, and SSD	Y		
STORAGE MEDIA	2.5" SSD 1DWPD (TB)	1.920 | 3.84 | 7.680| 15.36 - SED/SED FIPS Available*		
	3.5" 7.2K Drives (TB)	8 | 10 | 12 | 14 | 16 | 18 | 20 - SED/SED FIPS Available*		
HIGH AVAILABILITY	Dual active/active storage controllers with automatic failover/failback	Y		
	Redundant Power and Cooling	Y		
	Battery-backed Cache	36GB (Per Controller)		

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SYSTEM STORAGE SERVICES	Max LUNs per System	254		
	Max Volumes per System	254		
	Max Snapshot Copies per Volume	4096		
	LUN Security via CHAP	Y		
	RAID Levels	0, 1, 1+0, 4, 5, 6		
	Multiple RAID Engines per Controller	Y		
HOST CONNECTIVITY	Simultaneous Fibre Channel and iSCSI	Y		
	1GbE iSCSI Ports per Controller	4		
	10GbE iSCSI Ports per Controller (optional)	2	4 or 6**	
	8Gb FC Ports per Controller (optional)	2	4 or 6**	
	16Gb | 32Gb FC Ports per Controller (optional)	2 | 2	4 or 6** | 2**	
	12Gb/s SAS Ports per Controller (optional)	2		
	10/100/1000 MbE Management Ports	1 per Controller		
SIZE & WEIGHT	Mounting Rails Included	Y		
	Standard 1000 mm Rack Recommended	Y		N (not if rear doors are used)
	1200 mm Rack Recommended	N		Y
	Dimensions - Width	19 in | 482.6 mm		
	Dimensions - Height	3.47 in | 88.1 mm	6.93 in | 176 mm	
	Dimensions - Depth from rack mounting points	32.48 in | 825 mm	34.06 in | 865 mm	38.39 in | 975 mm
	Dimensions - Total length of Unit	33.66 in | 855 mm	36.02 in | 915 mm	40.35 in | 1025 mm
	Maximum Installed Weight w/mounting rails, all drives and controllers	108.2 lbs | 49.1 Kg	201.1 lbs | 91.2 Kg	235.5 lbs | 106.8 Kg
POWER, COOLING & ENVIRONMENTAL	Standard Dual Power Supplies (redundant, load sharing, hot-pluggable, auto-sensing)	2 x 1200 W | 100-240 V	2 x 1600 W | 100-240 V	2 x 1600 W | 200-240 V
	Operating Power Consumption (@240V)	358 Watts | 1.6 A	777 Watts | 3.44 A	960 Watts | 4.28 A
	Idle Mode Power (AutoMAID® Level 4)	184 Watts | .92 A	236 Watts | 1.14 A	239 Watts | 1.19 A
	Operating Temperature Range	10°C to 35°C (41°F to 95°F)		
	Operating Humidity Range	20% to 80% non-condensing		
	Operating Altitude	ASHRAE Class A2 - 3,050m maximum altitude, de-rated at 1C/300m above 950m		

*SED functionality requires dual controllers.
**2 extra ports per controller of either 16Gb FC or 10GbE can be ordered, independent of the interface choice for the standard 4 ports.

veeam READY
Repository

vmware READY

ABOUT NEXSAN, A STORCENTRIC COMPANY

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

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