

E-SERIES 18 & 32 QLC-BASED STORAGE



Category	Feature	E-SERIES 18	E-SERIES 32
ENTERPRISE FEATURES	Active Drawer Technology™	Drives remain active when drawer is open for easy hot-swappable drive management.	
	Self-Encrypting & FIPS Drives	Optional AES-256 SED Drives and FIPS 140-2 level 2 certified SED drives are available.	
	AutoMAID® Power Management & Cool Drive™ Technology	AutoMAID provides power savings of up to 87% reduces operating expenses and extends the overall life of the system and Cool Drive optimizes air flow to increase reliability.	
	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	
	E-Flex Architecture	Enables the selection of up to 2 of any expansion units or a mix thereof: E18X E32X E48X BT60X	
	High-Speed Replication via 10GbE iSCSI	Enables fast data replication while maintaining full host performance via 16Gb FC or 10GbE.	
STORAGE ENCLOSURES	Disk bays Rack U	18 2U	32 2U
	Number of Active Drawers	2	
	Supported Expansion Systems	E18X E32X E48X BT60X	
	Maximum Drives with Expansion	138	152
	Maximum Raw Capacity with (chassis total)	276.4TB 2.11PB	491.5TB 2.33PB
	Max Reads Max Writes (GB/s)	4.0+ 2.6+	
	Maximum IOPS (Random Reads)	up to 70,000	
STORAGE MEDIA	2.5" QLC SATA SSD (TB)	1.92 3.84 7.68 - SED/SED FIPS Available	
	2.5" SAS SSD 1DWP (TB)	960GB 1.92 3.84 7.68 15.36	
	2.5" SAS 10K HDDs (GB)	1200 1800 2400 - SED/SED FIPS Available	
HIGH AVAILABILITY	Dual active/active storage controllers with automatic failover/failback	Y	
	Drive Port Redundancy	Dual data paths to each QLC drive.	
	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				
	12Gb SAS Ports per Controller (optional)	2				
	1GbE & 10GbE iSCSI Ports per Controller (optional)	4 & 2		4 & 4		
	16Gb FC Ports per Controller (optional)	2		4		
	10/100/1000 MbE Management Port	1				
		E18 E18X E32 E32X	E48X		BT60X	
SIZE & WEIGHT	Mounting Rails Included	Y				
	Standard 1000 mm Rack Recommended	Y		Y		Y N
	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	32.48 in 825 mm		34.06 in 865 mm		34.02 in 864 mm
	Dimensions - Total length of Unit	33.66 in. 855 mm		36.02 in 915 mm		36.08 in 916.5 mm
	Maximum Installed Weight w/ mounting rails, all drives and controllers	108.2 lbs 49.1 Kg		201.1 lbs 91.2 Kg		205.5 lbs 93.4 Kg
POWER COOLING & ENVIRONMENTAL	Standard Dual Power Supplies (redundant, load sharing, hotpluggable, auto-sensing)	2 x 1200 W 100-240 V		2 x 1600 W 100-240 V		2 x 1600 W 200-240 V
	Power Consumption (@240V)	300 Watts 1.3 A		1509 Watts 6.79 A		922 Watts 4.02 A
	Idle Mode Power (AutoMAID® Level 4)	252 Watts 1.1 A		236 Watts 1.14 A		324 Watts 1.5 A
	Operating Temperature Range	10°C to 35°C (41°F to 95°F)				
	Operating Humidity Range	20% to 80% non-condensing				
	Operating Altitude	0 to 2,133m (0 to 7,000ft)				
	Non-operational Altitude	0 to 12,192m (0 to 40,000ft)				

ABOUT NEXSAN

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