

E-SERIES 18F

QLC-BASED STORAGE



Category	Feature	E-SERIES 18F		
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.		
	AutoMAID® Power Management	Power savings of up to 87% reduces operating expenses and extends the overall life of the system.		
	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 E-Series expansion units or a mix thereof: E18X E48X E60X		
	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		
	Number of Active Drawers	2		
	Supported Expansion Systems	E18X	E48X	E60X
	Maximum Drives with Expansion	54	114	138
	Maximum Raw Capacity with Expansion Systems	414.7TB	875.5TB	1.05PB
	Max Reads (GB/s)	4.0+		
	Max Writes (GB/s)	2.6+		
	Maximum IOPS	up to 70,000		
STORAGE MEDIA	2.5" QLC STA SSD (TB)	1.92 3.84 7.68		
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		
	1GbE iSCSI Ports per Controller	4		
	10GbE iSCSI Ports per Controller (optional)	2		
	16Gb FC Ports per Controller (optional)	2		
	10/100/1000 MbE Management Port	1		
		E18F E18X	E48X	E60X
SIZE & WEIGHT	Mounting Rails Included	Y		
	Standard 1000 mm Rack Recommended	Y	Y	N (not if rear doors are used)
	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	38.39 in 975 mm
	Dimensions - Total length of Unit	33.66 in. 855 mm	36.02 in 915 mm	40.35 in 1025
	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, hotpluggable, auto-sensing)	2 x 1200 W 100-240 V	2 x 1600 W 100-240	2 x 1600 W 200-240 V
	Power Consumption (@240V)	300 Watts 1.3 A	1509 Watts 6.79 A	1797 Watts 7.83 A
	Idle Mode Power (AutoMAID® Level 4)	252 Watts 1.1 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	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