

# E-SERIES 18F & 32F QLC-BASED STORAGE



Category	Feature	E-SERIES 18F	E-SERIES 32F
<b>ENTERPRISE FEATURES</b>	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 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.	
<b>STORAGE ENCLOSURES</b>	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 (GB/s)	4.0+	
	Max Writes (GB/s)	2.6+	
	Maximum IOPS (Random Reads)	up to 70,000	
<b>STORAGE MEDIA</b>	2.5" QLC SATA SSD (TB)	1.92   3.84   7.68	
	2.5" SSD 1DWPD (TB)	960GB   1.92   3.84   7.68   15.36	
<b>HIGH AVAILABILITY</b>	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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<b>SYSTEM STORAGE SERVICES</b>	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			
<b>HOST CONNECTIVITY</b>	Simultaneous Fibre Channel and iSCSI	Y			
	1GbE iSCSI Ports per Controller	4			
	10GbE iSCSI Ports per Controller (optional)	2			4
	16Gb FC Ports per Controller (optional)	2			4
	10/100/1000 MbE Management Port	1			
		E18F   E18X   E32F	E48X		BT60X
<b>SIZE &amp; WEIGHT</b>	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	
<b>POWER COOLING &amp; ENVIRONMENTAL</b>	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](http://www.nexsan.com)

