

E-SERIES 18F & 32F

FOR HIGH-PERFORMANCE WORKLOADS



TACKLES YOUR TOUGHEST STORAGE CHALLENGES

The E-Series storage platform has been deployed in the most demanding enterprise environments offering unrivaled price and performance, robust connectivity options (FC, iSCSI) for seamless interoperability along with a robust qualified OS support matrix. The E18F and E32F fit the bill for diverse capacity, performance, and ease of expansion.



ULTIMATE PERFORMANCE & RELIABILITY

The Nexsan E-Series F storage platform is at the forefront of delivering ultimate performance and reliability, now enhanced with TLC (Triple-Level Cell) NAND technology. These solutions are engineered to excel in high-capacity, performance-sensitive workloads, providing an ideal fit for demanding business requirements.

The E32F is tailored to deliver enhanced performance and unbeatable economics, offering extremely fast random read performance. This capability is crucial for analyzing high-capacity, performance-sensitive workloads, ensuring businesses can efficiently handle their most demanding data tasks with speed and reliability.



TLC DRIVES DO MORE FOR YOUR ENTERPRISE

TLC elevates the enterprise capabilities of the E18F and E32F with substantial performance improvements with fewer disks. They also consume 3X less read I/O power per drive and have up to a 10X performance boost compared to similar-capacity HDDs. The E32F is an exceptionally compact, high-density solution, boasting an impressive 491.5TB in just 2U of rack space.

IDEAL APPLICATIONS FOR E-SERIES 18F AND 32F

Real-Time Analytics and Big Data	Experience a significant performance boost for big data processing, offering high-capacity storage that's both affordable and incredibly fast.
Business Intelligence	Accelerate data mining for extensive data sets, enabling quicker, more detailed queries for enhanced insights and analytics.
Read-Intensive Artificial Intelligence (AI)	Get the kind of speed that AI Algorithms depend on to quickly identify patterns in large data sets with fast, high-capacity storage.
Machine and Deep Learning	Facilitate machine learning projects with quick, high-availability access to data sets, ensuring low latency for analytics.
Content Delivery, Video on Demand, Content Streaming	Enhance content and video delivery to a broader audience with support for massive parallel requests and streams.
NoSQL Databases	Revitalize data-driven workloads such as content classification and tagging, and user profile acceleration, with high-performance storage.

E-SERIES F SPECIFICATIONS

Category	Feature	E-SERIES 18F	E-SERIES 32F
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.	
	Virtualization Compatibility	Windows, VMware, Veeam, Commvault, Hyper-V and Xen	
	E-Flex Architecture	Enables the selection of up to 2 E-Series expansion systems 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	
	Performance	Up to 70,000 IOPs	
STORAGE ENCLOSURES	Disk bays Rack U	18 2U	32 2U
	Number of Active Drawers	2	
	Expansion Unit	E18X E32X E48X BT60X	
	Maximum Drives with Expansion	138	152
	Maximum Raw Capacity (chassis total)	276.4TB 2.91PB	491.5TB 3.13PB
	Max Cache per Controller	36GB	
STORAGE MEDIA	2.5" SSD 1DWPD (TB)	1.92 3.84 7.68 15.36	
HOST CONNECTIVITY	Simultaneous Fibre Channel and iSCSI	Y	
	1Gb iSCSI Ports per Controller	4	
	10Gb iSCSI Ports per Controller (optional)	2 /&fi	\$/&fi
	16Gb 32Gb FC Ports per Controller (optional)	2 2	2 2
	10/100/1000 MbE Management Port	1 Per Controller	

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, high-density block, and immutable storage. www.nexsan.com.