

# E-SERIES 18F

## QLC-BASED STORAGE WITH UNBEATABLE ECONOMICS

A perfect fit for quick access to high capacity, performance-sensitive 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 fits the bill for diverse capacity, performance, and ease of expansion.



### THE QLC ADVANTAGE - ULTIMATE PERFORMANCE & RELIABILITY

The E-Series F storage platform takes the same industry proven, reliable storage architecture and enables the latest QLC NAND technology. E18F will enable performance that is 10X faster than HDDs with industry leading flash price/performance. This unique technology allows customers to start as low as 34TB and scales to over 1PB.

The E-Series F is a perfect fit for quick access to analyze the high capacity, performance-sensitive workloads that fuel business — like real-time analytics, machine learning, artificial intelligence, big data, media content delivery, user authentication, and more



### QLC NAND DOES MORE FOR YOUR ENTERPRISE

QLC (quad-level cell) NAND packs 33% more data into every memory cell compared to its TLC (triple-level cell) equivalent at a much more reasonable price point. QLC storage delivers the performance results with less disks and 3X less read I/O power consumption per drive compared to similar-capacity HDDs.

## IDEAL APPLICATIONS FOR E-SERIES 18F WITH QLC NAND

Real-Time Analytics and Big Data	Get a performance uplift for the big data “back end” and deliver more value with high-capacity storage that’s affordable and blazing fast.
Business Intelligence	Mine massive data sets using faster, deeper queries - letting you build more responsive and detailed analytics for better insights.
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	Support your machine learning initiatives with quick access to the data sets with high availability and low latency for analytics.
Content Delivery, Video on Demand, Content Streaming	Deliver more content or video to more users more consistently with support for massive parallel requests and streams.
NoSQL Databases	Breathe fresh life into data-driven workloads like content classification and tagging as well as user profile acceleration.

# E-SERIES F SPECIFICATIONS

Category	Feature	E-SERIES 18F
<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 E-Series expansion systems 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
	Performance	Up to 70,000 IOPs
<b>STORAGE ENCLOSURES</b>	Disk bays   Rack U	18   2U
	Number of Active Drawers	2
	Expansion Unit	E18X   E48X   E60X
	Maximum Drives with Expansion	138
	Maximum Raw Capacity (chassis   total)	138TB   1.05PB
	Max Cache per Controller	36GB
<b>STORAGE MEDIA*</b>	2.5" QLC SATA SSD (TB)	1.92   3.84   7.68
<b>HOST CONNECTIVITY</b>	Simultaneous Fibre Channel and iSCSI	Y
	1Gb iSCSI Ports per Controller	4
	10Gb iSCSI Ports per Controller (optional)	2
	16Gb FC Ports per Controller (optional)	2
	10/100/1000 MbE Management Port	1

## 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)