

# E-SERIES 18P

## DELIVERING ENTERPRISE, COST EFFECTIVE SOLUTIONS TO EVERYONE

The battle-tested E-Series 18P is ready to meet your demanding applications in any size of organization.



### TACKLES YOUR TOUGHEST STORAGE CHALLENGES

You want to give your users the right tool for each job. The E-Series 18P Storage Array fits the bill for diverse capacity, performance, and ease of expansion. The E18P can be configured to scale from 9 drives up to 54 drives or 864TB so you can start with the configuration you need with room to seamlessly expand. The E18P is the ultimate ultra-reliable storage array for affordable enterprise-level Fibre Channel, SAS, and iSCSI storage.



### TOUGH STORAGE THAT'S BUILT TO LAST

E-Series is tough for challenging storage environments outside of the data center like ships, subway stations, and storage closets that have less than ideal temperatures and vibration. Nexsan leverages an innovative design with Cool-Drive Technology™ and Anti-Vibration Design to significantly reduce heat and vibration in the unit.

Extensive stress testing of both drives and systems prior to shipping means increased field reliability and uptime. It's what gives us a strong track record of enterprise reliability for over 20 years.



### HIGH AVAILABILITY MEANS PEACE OF MIND

E-Series P helps you fight data downtime. Active Drawer Technology™ lets you pull a single drawer for drive replacement while keeping your data available. In case of a drive failure, a spare drive is automatically rebuilt into the RAID set. SNMP Alerts or email notifications are sent in the event of a component failure. Dual redundant, hot swappable components, multipathing and an intelligent battery-backed and mirrored flash cache of 36GB per controller help up your uptime.



### DO MORE WITH LESS POWER

E-Series P uses less than one-third the power of typical arrays. Nexsan AutoMAID® makes it easy to go green and not sacrifice performance. Simply choose your energy savings with our easy to use management interface. AutoMAID will reduce power consumption by up to 87 percent and cut operating expenses plus extend the life of the system.



### PROTECT YOUR DATA AT REST

E-Series P can be configured with self-encrypting drives (SED) with AES-256 encryption so you know your data at rest is protected. Meet regulatory and compliance needs with FIPS SED support. Nexsan's management interface transparently manages the encryption/decryption process without compromising performance.



# E-SERIES P SPECIFICATIONS

Category	Feature	E-SERIES 18P
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.
	Anti-Vibration Design	Reduces Rotational Vibration to improve system performance and reliability.
	AutoMAID® Power Management	Configurable power savings of up to 87% reduces operating expenses and extends the overall life of the system.
	E-Flex Architecture	Enables the selection of up to 2 of any E-Series expansion units or a mix thereof: E18X   E48X   BT60X   E60X
	Self-Encrypting Drives (SED) (optional)	AES-256 Drives for data at rest protection.
	FIPS Self-Encrypting Drives (optional)	FIPS 140-2 level 2 certified SED drives to meet regulatory compliance.
	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
	High-Speed Replication via 10GbE iSCSI	Enables nearly 10X faster data replication while maintaining full host performance via 16Gb FC or 10GbE.
	Stress Testing to Improve Reliability	Individual drives are stress tested and then, prior to shipment, all drives are again tested within the system.
Accelerated RAID	Delivers a significantly improved random write performance at a lower price than pure SSD-based arrays.	
STORAGE ENCLOSURES	Disk bays   Rack U	18   2U
	Number of Active Drawers	2
	Expansion Unit	E18X   E48   BT60X   E60X
	Maximum Drives with Expansion	138
	Maximum Raw Capacity (chassis   total)	288TB   2.2PB
	Cache per Controller	36GB
	Mix 7.2K, 10K, and SSD	Y
STORAGE MEDIA*	2.5" SSD 3DWPD (GB)	800   1600   3200 - SED/SED FIPS Available*
	2.5" SSD 1DWPD (GB)	960   1920   3840   7680   15360 - SED/SED FIPS Available*
	2.5" 10K Drives (GB)	1200   1800   2400 - SED/SED FIPS Available*
	3.5" 7.2K Drives (TB)	4   6   8   10   12   14   16 - SED/SED FIPS Available*
HOST CONNECTIVITY	Simultaneous Fibre Channel and iSCSI	Y
	1Gb iSCSI Ports per Controller	4
	10Gb iSCSI Ports per Controller (optional)	2
	8Gb FC Ports per Controller (optional)	2
	16Gb FC Ports per Controller (optional)	2
	12Gb/s SAS Ports per Controller (optional)	2
	10/100/1000 MbE Management Ports	2

\*SED functionality requires dual controllers.

## 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).

