

E-SERIES P DATA SHEET



TACKLES YOUR TOUGHEST STORAGE CHALLENGES

You want to give your users the right tool for each job. As your storage grows, so have your processing requirements. That's why we've doubled the performance of the E-Series with E-Series P.

E-Series Storage Arrays fit the bill for diverse capacity and performance based applications like media & entertainment, surveillance, government, healthcare, financial, and backup. It's 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 18 year track record of enterprise reliability.



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.

DELIVER THE SPEEDS YOU NEED

The battle-tested E-Series is now high performance too. E-Series P more than doubles the throughput to process heavy workloads with demanding applications.



E-SERIES P SPECIFICATIONS

Category	Feature	E-SERIES 48P	E-SERIES 60P
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.	
	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.	
	VMware, Xen, Hyper-V & Windows Compatible	Compatibility with the leading virtualization tools.	
	Industry-leading High Speed Host Interface Flexibility	With 12 high speed host interface ports of 16Gb FC and 10GbE iSCSI, you can reduce the need for expensive network switches. The ports are customer-configurable between 8Gb FC, 16 Gb FC, and 10GbE at any time.	
	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.	
STORAGE ENCLOSURES	Disk bays Rack U	48 4U	60 4U
	Number of Active Drawers	3	
	Expansion Unit	E48X	E60X
	Maximum Drives with Expansion	144	180
	Maximum Raw Capacity (chassis total)	576TB 1.72TB	720TB 2.16PB
	Max Cache per Controller	36GB	
	Mix 7.2K, 10K, 15K and SSD	Y	
STORAGE MEDIA*	SSD (GB)	800 1920 3840	
	2.5" 15K Drives (GB)	600	
	2.5" 10K Drives (GB)	900 1200 1800 2400	
	3.5" 7.2K Drives (TB)	4 6 8 10 12	
HOST CONNECTIVITY	Simultaneous Fibre Channel and iSCSI	Y	
	1Gb iSCSI Ports per Controller	4	
	10GbE iSCSI Ports per Controller (optional)	4 or 6**	
	8Gb FC Ports per Controller (optional)	4 or 6**	
	16Gb FC Ports per Controller (optional)	4 or 6**	
	12Gb/s SAS Ports per Controller (optional)	2	
	10/100/1000 MbE Management Port	1	

*See E-Series P Specification Sheet for supported SED Drives. SED functionality requires dual controllers.

**2 extra ports per controller of either FC or 10GbE can be ordered, independent of the interface choice for the standard 4 ports.

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 unified storage, block storage, and secure archiving. www.nexsan.com.