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 15 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.

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.

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 48P	E-SERIES 60P
ENTERPISE 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.	
	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	E48XP	E60XP
	Maximum Drives with Expansion	144	180
	Maximum Raw Capacity (chassis/total)	480TB | 1.44TB	600TB | 1.8PB
	Max Cache per Controller	36GB	
	Mix 7.2K, 10K, 15K and SSD	Y	
STORAGE MEDIA	SSD (GB)	200 | 400 | 800	
	2.5" 15K Drives (GB)	600	
	2.5" 10K Drives (GB)	600 | 900 | 1200 | 1800	
	3.5" 7.2K Drives (TB)	2 | 4 | 6 | 8 | 10	
HOST CONNECTIVITY	Simultaneous Fibre Channel and iSCSI	Y	
	1Gb iSCSI Ports per Controller	4	
	10Gb iSCSI Ports per Controller (optional)	4	
	8Gb FC Ports per Controller (optional)	4	
	16Gb FC Ports per Controller (optional)	4	
	12Gb/s SAS Ports per Controller (optional)	2	
	10/100/1000 MbE Management Port	1	

ABOUT NEXSAN

Nexsan is a global leader in storage, back up and data management solutions that are focused on seamlessly and securely enabling a connected workforce. Its broad solution portfolio empowers enterprises to securely store, protect and manage valuable business data – allowing users to sync, share and access files from any device, anywhere, anytime. www.nexsan.com