

E-SERIES P SPECIFICATION SHEET



Category	Feature	E-SERIES 18P	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.		
	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	18 2U	48 4U	60 4U
	Number of Active Drawers	2	3	
	Expansion Unit	E18XP	E48XP	E60XP
	Maximum Drives with Expansion	54	144	180
	Maximum Raw Capacity (chassis/total)	180TB 540TB	480TB 1.44PB	600TB 1.8PB
	Max Reads (MB/s)	2800	7500	
	Max Writes (MB/s)	2300	5400	
	Maximum IOPS	86,000	150,000	
	Mix 7.2K, 10K, 15K and SSD	Y		

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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		
	2.5" 15K SED Drives (GB)	600		
	2.5" 10K SED Drives (GB)	600 900 1200		
	3.5" 7.2K SED Drives (TB)	2 4 6		
	3.5" 7.2K SED FIPS Drives (TB)	6		
HIGH AVAILABILITY	Dual active/active storage controllers with automatic failover/failback	Y		
	Redundant Power and Cooling	Y		
	Battery-backed Cache	36GB (Per Controller)		
SYSTEM STORAGE SERVICES	Max LUNs per System	254		
	Max Volumes per System	254		
	Max Snapshot Copies per Volume	4096		
	LUN Security via CHAP	Y		
	RAID Levels	0, 1, 1+0, 4, 5, 6		
	Multiple RAID Engines per Controller	Y		
HOST CONNECTIVITY	Simultaneous Fibre Channel and iSCSI	Y		
	1Gb iSCSI Ports per Controller	4		
	10Gb iSCSI Ports per Controller (optional)	2	4	
	8Gb FC Ports per Controller (optional)	2	4	
	16Gb FC Ports per Controller (optional)	2	4	
	12Gb/s SAS Ports per Controller (optional)	2		
	10/100/1000 MbE Management Port	1		

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SIZE & WEIGHT	Mounting Rails Included	Y		
	Standard 1000 mm Rack Recommended	Y		N (not if rear doors are used)
	1200 mm Rack Recommended	N		Y
	Dimensions - Width	19 in 482.6 mm		
	Dimensions - Height	3.47 in 88.1 mm	6.93 in 176 mm	
	Dimensions - Depth from rack mounting points	32.48 in 825 mm	34.06 in 865 mm	38.39 in 975 mm
	Dimensions - Total length of Unit	33.66 in 855 mm	36.02 in 915 mm	40.35 in 1025 mm
	Maximum Installed Weight w/mounting rails, all drives and controllers	108.2 lbs 49.1 Kg	201.1 lbs 91.2 Kg	235.5 lbs 106.8 Kg
POWER, COOLING & ENVIRONMENTAL	Standard Dual Power Supplies (redundant, load sharing, hot-pluggable, auto-sensing)	2 x 1200 W 100-240 V	2 x 1600 W 100-240 V	2 x 1600 W 200-240 V
	Peak Power Consumption (@240V)	604 Watts 2.66 A	1509 Watts 6.79 A	1797 Watts 7.83 A
	Idle Mode Power (AutoMAID® Level 4)	184 Watts .92 A	236 Watts 1.14 A	239 Watts 1.19 A
	Operating Temperature Range	10°C to 35°C (41°F to 95°F)		
	Operating Humidity Range	20% to 80% non-condensing		
	Operating Altitude	0 to 2,133m (0 to 7,000ft)		
	Non-operational Altitude	0 to 12,192m (0 to 40,000ft)		

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