

# BEAST ELITE

## RELIABILITY WITH ENHANCED PERFORMANCE



Category	Feature	BEAST ELITE		
<b>ENTERPRISE FEATURES</b>	High Availability	Dual, redundant hot-swappable components with battery-backed mirrored cache.		
	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 BEAST Elite for application-consistent snapshots and asynchronous replication to support demanding data protection requirements.		
	Virtualization Compatibility	Windows, VMware, Veeam, Commvault, Hyper-V and Xen		
	E-Flex Architecture	Enables the selection of up to 2 expansion systems or a mix thereof: E18X   E48X   BT60X		
	High-Speed Replication via 10GbE iSCSI	Enables fast data replication while maintaining full host performance via 16Gb FC or 10GbE.		
	Accelerated RAID	Delivers a significantly improved random write performance at a lower price than pure SSD-based arrays.		
<b>STORAGE ENCLOSURES</b>	Disk bays / Rack U	18   2U	48   4U	60   4U
	Supported Expansion Systems	E18X	E48X	BT60X
	Maximum Drives with Expansion	96	156	180
	Maximum Raw Capacity with Expansion Systems	2.11PB	3.43PB	3.96PB
	Max Reads (GB/s)	7.5+		
	Max Writes (GB/s)	5.4+		
	Maximum IOPS	up to 150,000+		
<b>STORAGE MEDIA</b>	3.5" 7.2K SAS Drives (TB)	8   10   12   14   16   18   20   22 - SED/SED FIPS Available		
	2.5" SSD Drives (TB)	1.92   3.84   7.68   15.36 - SED/SED FIPS Available		
<b>HIGH AVAILABILITY</b>	Dual active/active storage controller with automatic failover/failback	Y		
	Redundant Power and Cooling	Y		
	Battery-backed Cache	36GB (Per Controller)		

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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		
	1GbE iSCSI Ports per Controller	4		
	10GbE iSCSI Ports per Controller (optional)	4 to 6*		
	16Gb   32Gb FC Ports per Controller (optional)	4 to 6*   2*		
	10/100/1000 MbE Management Ports	1 per Controller		
		E18X	E48X	BEAST Elite / BT60X
SIZE & WEIGHT	Mounting Rails Included	Y		
	Standard 1000 mm Rack Recommended	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	32.48 in   825 mm	34.06 in   865 mm	34.02 in   864 mm
	Dimensions - Total length of Unit	33.66 in.   855 mm	36.02 in   915 mm	36.08 in   916.5 mm
	Maximum Installed Weight w/ mounting rails, all drives and controllers	108.2 lbs   49.1 Kg	201.1 lbs   91.2 Kg	205.5 lbs   93.4 Kg
POWER COOLING & ENVIRONMENTAL	Standard Dual Power Supplies (redundant, load sharing, hotpluggable, auto-sensing)	2 x 1200 W   100-240 V	2 x 1600 W   100-240	2 x 1600 W   200-240 V
	Power Consumption (@240V)	300 Watts   1.3 A	749 Watts   3.37 A	922 Watts   4.02 A
	Idle Mode Power (AutoMAID® Level 4)	120 Watts   0.7 A	136 Watts   0.81 A	213 Watts   1.08 A
	Operating Temperature Range	5°C to 35°C (41°F to 95°F)		
	Operating Humidity Range	20% to 80% non-condensing		
	Operating Altitude	ASHRAE Class A2, 10°C to 35°C (50°F to 95°F), max elevation 3050m, de-rated at 1°C/300m above 900m		

\*2 extra ports per controller of either 16Gb 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 all-flash NVMe, unified, block, and immutable storage. [www.nexsan.com](http://www.nexsan.com)