

NEXSAN BEAST ELITE F

THE RELIABILITY
OF BEAST WITH
QLC DRIVES
FOR ENHANCED
PERFORMANCE
AND UNBEATABLE
ECONOMICS



BEAST RELIABILITY WITH QLC DRIVES FOR ENHANCED PERFORMANCE AND UNBEATABLE ECONOMICS

The BEAST Elite storage platform has been architected for the most demanding storage environments and is built to provide ultra-reliable, high performance storage that seamlessly fits into existing storage environments. BEAST Elite F provides an all-in enterprise storage software feature set with encryption, snapshots, robust connectivity with FC and iSCSI, and support for asynchronous replication.

BEAST Elite F supports QLC NAND technology that has been designed to accelerate access to extremely large datasets at unrivaled price/performance metrics for high capacity, performance-sensitive workloads. The BEAST Elite F delivers the speed for less in environments where performance is critical but the cost of SSDs has historically been too high.

The BEAST Elite F includes higher performance RAID controllers providing twice the performance and more than doubling the controller memory cache to 36GB per controller. Connectivity has been tripled, providing twelve high speed Fibre Channel or iSCSI host ports, reducing the need for network switches.



WE FIT IN TIGHT SPOTS

BEAST Elite F includes support of the new E-Flex Architecture which allows users to select any two of the three available expansion systems: E18X, E48X and BT60X to a maximum expanded capacity of 1.38PB. This gives organizations the flexibility to size the systems to petabytes as storage needs evolve.

IDEAL APPLICATIONS FOR BEAST ELITE F WITH QLC SSDs

BEAST Elite F is a perfect fit for video and content delivery, real-time analytics, machine learning, artificial intelligence, and big data.

Real-Time Analytics and Big Data	Get a performance uplift for the big data "back end" and deliver more value with high-capacity storage that's affordable and blazing fast.
Business Intelligence	Mine massive data sets using faster, deeper queries - letting you build more responsive and detailed analytics for better insights.
Read-Intensive Artificial Intelligence (AI)	Get the kind of speed that AI Algorithms depend on to quickly identify patterns in large data sets with fast, high-capacity storage.
Machine and Deep Learning	Support your machine learning initiatives with quick access to the data sets with high availability and low latency for analytics.
Content Delivery, Video on Demand, Content Streaming	Deliver more content or video to more users more consistently with support for massive parallel requests and streams.
NoSQL Databases	Breathe fresh life into data-driven workloads like content classification and tagging as well as user profile acceleration.

BEAST ELITE F SPECIFICATIONS

Category	Feature	BEAST Elite F
ENTERPRISE FEATURES	High Availability	Dual, redundant hot-swappable components with battery-backed mirrored cache.
	Cool Drive Technology™	Optimizes air flow and component cooling to increase reliability.
	Anti-Vibration Design	Reduces 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.
	Array-based Snapshots and Replication	Snapshot and replication are embedded into Beast Elite F 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
	E-Flex Architecture	Enables the selection of up to 2 expansion systems or a mix thereof: E18X E48X BT60X
	Performance	up to 150,000+ IOPs
STORAGE ENCLOSURES	Disk bays / Rack U	60 4U
	Expansion Unit	E18X E48X BT60X
	Maximum Drives with Expansion	180
	Maximum Raw Capacity (chassis/total)	460.8TB 1.38PB
	Cache per Controller	36GB
STORAGE MEDIA	2.5" QLC SSD Drives (TB)	1.92 3.84 7.68
HOST CONNECTIVITY	Simultaneous Fibre Channel and iSCSI	Y
	1Gb iSCSI Ports per Controller	4
	10GbE iSCSI Ports per Controller (optional)	4 to 6*
	16GbE FC Ports per Controller (optional)	4 to 6*
	10/100/1000 MbE Management Ports	2

*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 all-flash NVMe, unified storage, block storage, and secure archiving. Nexsan is a proud member of the StorCentric Family. www.nexsan.com.