

VIOLIN QV-SERIES HIGH PERFORMANCE, COST-EFFECTIVE, NVMe SOLUTION

FAST APPLICATION RESPONSE

The QV-Series NVMe storage platform has been architected to deliver low latency rates and higher performance so you can get the fastest response times even during peak processing. The difference is the Flash Fabric Architecture (FFA) that gives the QV-Series high bandwidth and IOPs at consistent low latencies.

TRUE ACTIVE/ACTIVE CONTROLLERS

The QV-Series utilizes true active/active controllers for increased performance and delivers superior application availability and resiliency with 99.9999% uptime.

DATA PROTECTION

Snapshots enable complete recovery of Oracle or SQL Server databases to any point in time. Synchronous replication enables remote data protection with zero Recovery Point Objective (RPO).

QV-Series ensures your data is protected at rest using AES-256 self-encrypting drives (SEDs). A passphrase can be set for an additional layer of security.

PERFORMANCE-OPTIMIZED DATA DEDUPLICATION

QV-Series provides performance-optimized data reduction that is selectable by volume, driving down the total cost of ownership.

STREAMLINED MANAGEMENT

QV-Series has a simplified web-based management user interface that is customizable, manages multiple systems, and delivers the in-depth performance metrics and predictive analytics needed to optimize business needs.

ENHANCED MATRIXED RAID DATA ALLOCATION

Writes to the NVMe SSDs are balanced across all drives for better performance. Global parity and spare allocation mitigate the need for urgent drive replacement.

IDEAL APPLICATIONS

- OLTP workloads such as payment processing, ERP, or CRM
- High-Performance Desktop Virtualization (VDI)
- Server Virtualization
- Data Warehousing, AI/ML, BI and Predictive Analytics
- Big Data
- Cloud Infrastructure



ENTERPRISE DATA SERVICES

- ✓ Data Reduction by Volume
- ✓ High Availability
- ✓ Snapshots
- ✓ Synchronous Replication
- ✓ QoS
- ✓ vCenter Plug In
- ✓ Encryption
- ✓ Management REST API
- ✓ Simple Web-Based Management
- ✓ Visualization
- ✓ Call Home with Proactive Support
- ✓ Predictive Analytics

QV1020 & QV2020 SPECIFICATIONS

Category	Feature	QV1020	QV2020
PERFORMANCE	Performance	Up to 500,000 IOPS at < 1ms Latency	500,000 IOPS at < 1ms Latency
	Bandwidth	Up to 7.1 GB/sec	7.1 GB/sec
CAPACITY	Usable Capacity	15TB to 116TB	116TB to 479TB
	Effective Capacity*	60TB to 464TB	464TB to 1.7PB
	NVMe SSD (SED)	1.92 3.84 7.68 TB	1.92 3.84 7.68 15.36 30.72** TB
HOST CONNECTIVITY	Controllers	Active/Active Controllers	
	16Gb FC Ports per Controller	2 or 4	4
	10/25Gb iSCSI Ports per Controller	4	
PHYSICAL	Dimensions	2U - 3.4" x 16.88" x 33" Rail kits support 20" to 28.5" rack depth	
	Weight	64 lb. / 29.1 kg (without drives)	
	Power & Cooling	Two hot-swappable 2000 Watt PSUs, 12V output @ 130A (2000 watts) <ul style="list-style-type: none"> • Auto-ranging 200-240VAC, 50-60Hz input • Current sharing C13-C14 Connectors • Operating Temperatures Range 5°C to 35°C 	

*Effective capacity assuming 4:1

** Available upon completion of testing

ABOUT NEXSAN, A STORCENTRIC COMPANY

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 along with Violin Systems, Vexata, Drobo and Retrospect. www.nexsan.com