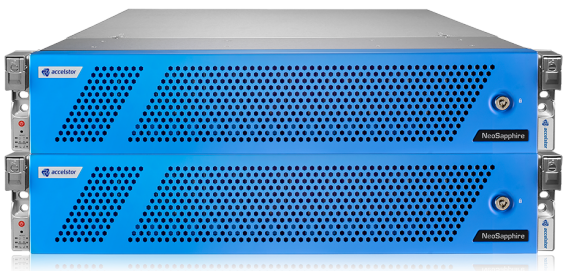


High Availability Models

NeoSapphire H810



- Proprietary FlexiRemap technology unleashes the full potential of NVMe SSDs’ performance while increasing SSD lifespan, extending the storage system’s service life, and ensuring sustained high performance.
- Symmetric Active-active shared-nothing architecture with real-time data synchronization through high-speed interlink provides an exceptionally reliable storage solution for continuous businesses.
- The “3+2+5” data protection measures fully protect your critical data.
- High-end enterprise storage solution tailored for database, OLTP, cloud computing, HPC, AI, data mining, virtualization, and other applications.



Specification

Form Factor	2 x 2U 24-bay rack mount with 2.5" drives
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 Storage Architecture	Symmetric Active-active shared-nothing architecture EN ▼
Flash Management	FlexiRemap®
IOPS for 4KB Random Writes ¹	> 750 k on average while average latency < 500 µs
Type of SSD / Number of SSDs	NVME / 48
Usable Capacity ²	28 / 57 / 114 TB
Effective Capacity ³	84 / 171 / 342 TB
Storage Protocol	FC, iSCSI, NFS
FE Connectivity	8 x 32G Fibre Channel LC SFP+ 或 8 x 25G SFP28 / 8 x 100G QSFP28
Management Interface	WebUI (HTTP/HTTPS), CLI (via serial port), RESTful API
Software Features	• Snapshot / Group Snapshot / Clone • Thin / Thick Provisioning • Snapshot Backup / Recovery • Cloud Backup • Remote Replication • Inline / Background Deduplication • Inline / Background Compression • FlexiCluster
Certification	• VMware Ready • VMware VAAI Block • vSphere Web Client Plug-in • DataCore SMPA Qualified • Tiger Technology Certified • Microsoft Windows Server 2016 • Microsoft Windows Server 2012 R2 • Microsoft Windows Server 2012 • Microsoft Volume Shadow Copy Service (VSS)
Power Supply Unit (per node)	1600W 1+1 Redundancy
Dimensions (W x D x H)	437mm x 723mm x 89mm (17.2" x 28.5" x 3.5")
Net Weight (per node) ⁴	20 kg (lb)
Environmental Temperature	Operating: 10°C to 35°C Storage (Non-Operating): -5°C to 40°C

 (https://www.accelstor.com) Environmental Humidity	Operating Relative Humidity: 8% to 90% Storage (Non-Operating) Relative Humidity: 5% to 90%	EN ▼
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1. Based on designated testing configurations, performance may vary with different applications or product configurations.
2. Useable Capacity has taken out the overhead used for the protection mechanism developed by AcceleStor Technologies Ltd, and it can be directly used for business data storage.
3. Effective capacity is based on calculating and assessing the type of data being used and other factors, such as compression. It is an estimate and may be better or worse depending on these factors.
4. Weight may vary depending on components and manufacturing variability.


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