accelstor

NeoSapphire H710

- Scale-up capacity and uncompromised performance for 600K IOPS for 4KB random write
- High availability via shared-nothing architecture with symmetric active-active nodes
- A flexible choice from 27TB to 221TB usable capacity
- Built for data center, cloud computing, HPC, AI, virtualization, OLTP and data mining

FlexiRemap®

NeoSapphire All-Flash Array

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NeoSapphire H710 All-Flash Array and Expansion Enclosure — SPECIFICATIONS

	NeoSapphire H710	NeoSapphire J212	NeoSapphire J214
Form Factor	4U rack mount	2U rack mount	4U rack mount
Expansion Enclosure	J212 or J214	---	---
IOPS for 4KB Random Writes[1]	600K sustained	---	---
Flash Management	FlexiRemap® technology	---	---
Usable Capacity[2]	27TB w/ Expansion Max. 221TB	Max. 110TB	Max. 165TB
Number of SSDs	48 drvies w/ J212 Expansion Max. 144 drvies w/ J214 Expansion Max. 336 drives	24	72
SSD Type	SATA	SATA	SATA
Flash Type	MLC or TLC	MLC or TLC	MLC or TLC
Connectivity	16 x 10GbE SFP+ Or 8 x 16G Fibre Channel LC SFP+	2 x 12G SAS ports (8 lanes per port)	2 x 12G SAS ports (8 lanes per port)
Storage Protocol	iSCSI or Fibre Channel	---	---
Management Interface	Web GUI (via HTTP/HTTPS) CLI (via serial port or SSH)	---	---
Power Supply	920W 1+1 redundant (per node) Or 920W+BBP (per node)	740W 1+1 redundant	1000W/1200W 1+1 redundant
Feature Highlight	• High Availability via shared-nothing architecture with symmetric Active-Active nodes • 100% no single point of failure • Scale-up capability • Efficient FlexiDedupe™ data reduction	• 2U 24-bay space-saving high density model for storage capacity expansion • High speed 12Gb/s SAS expansion connectivity • Online capacity expansion technology	• 4U 72-bay space-saving high density model for storage capacity expansion • High speed 12Gb/s SAS expansion connectivity • Online capacity expansion technology
Software Function	• Free Clone • Snapshot • Snapshot Backup/Recovery • Group Snapshot • Remote Replication • Thin Provisioning • Thick Provisioning • Inline Deduplication • Background Deduplication • vSphere Web Client Plug-in • SED	---	---
Dimensions (W x D x H)	437mm x 630mm x 89mm (17.2in x 24.8in x 3.5in) (per node)	437mm x 630mm x 89mm (17.2in x 24.8in x 3.5in) (per node)	437mm x 699mm x 178mm (17.2in x 27.5in x 7in) (per node)
Net Weight[3]	19.8kg (43.7lb) (per node)	26.39kg (58lb)	38.34kg(84lb)
Environmental Temperature	Operating: 10°C to 35°C (50°F to 95°F) Storage (Non-Operating): -20°C to 60°C (-4°F to 141°F)		
Environmental Humidity	Operating: 10% to 90% non-condensing Storage (non-operating): 5% to 95% non-condensing		

1 Based on designated testing conditions. Performance may vary with different applications or product configurations.
2 Usable capacity refers to the approximation of the storage capacity that users can have. The accurate usable capacity may vary depending on software configurations and other factors.
3 Weight may vary depending on components and manufacturing variability.

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