

Product Specification

Hitachi Vantara Virtual Storage Platform One Block (VSP One Block)

VSP One Block 24

VSP One Block 26


VSP One Block 28

VSP One Block 26 QLC

Capacity Specifications				
Max. Effective Capacity	5.0PBe / 4505TiBe	9.1PBe / 8243TiBe	14.1PBe / 12800TiBe	1.6PBe / 1483TiBe
Max. Raw Capacity	4.32PB (72x60TB SSD)			720TB (24x30TB SSD)
Effective Capacity Guarantee Ratio	2:1*	4:1*		
Max. External Virtualized Capacity (Raw)	64PiB	128PiB	192PiB	128PiB
Max. Number of Drives, Including Spares	72 NVMe			24 NVMe
Drive Options	60TB NVMe SSD 30TB NVMe SSD 15TB NVMe SSD 7.6TB NVMe SSD 3.8TB NVMe SSD 1.9TB NVMe SSD			30TB NVMe QLC SSD
Max. Expansion Drive Trays	2 (2U 24-SFF Drive Tray)			--
Controller Tray Specifications				
Memory	256GiB	768GiB	1024GiB	768GiB
Max. Host Port Counts	32 x FC 16 x iSCSI 8 x TCP			
Host Interface Types	FC-NVMe: 32Gb/s FC-NVMe: 64Gb/s FC: 16Gb/s FC: 32Gb/s FC: 64Gb/s iSCSI: 10Gb/s iSCSI: 25Gb/s TCP: 100Gb/s			
Height, Width, Depth (Controller)	2U, 3.5" (87mm H) 19.0" (482mm W) 33.6" (852mm D)			
Software Specifications				
Value-Added Bundled Features	100% Data Availability Guarantee No Questions Asked Effective Capacity Guarantee* Storage Virtualization Embedded Management In-System Replication Copy Data Management Infrastructure Analytics Nondisruptive Migration ¹ Immutable Snapshots			
Drive Protection Supported	Dynamic Drive Protection (DDP) Dual Parity Protection Scheme (6D+2P, 14D+2P)			Dynamic Drive Protection (DDP) Dual Parity Protection Scheme (14D+2P)

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Software Specifications				
Max. LUN Size	256TB			
Max. Number of LUNs (Includes Virtualized)	16,384	32,768	49,152	32,768
Max. Number of Snapshots	1,024 per LUN; 1,048,575 per system			
Max. Number of Hosts per Fibre Channel Port	255			
Security Features and Certification	Data-at-Rest Encryption Hardware Root of Trust TLS 1.3 support by default. TLS 1.2 can be optionally enabled. Secure Firmware Update FIPS Certified (140-3 Level 1) Common Criteria Certification (in process)			
Max. Controller Nodes per VSSO Cluster	65			
Max. VSSO Clusters One Node May Participate	15 ²			
Max. Cache (Without Intermix)	16,640GiB	49,920GiB	66,560GiB	49,920GiB
ENERGY STAR® Certified	 Yes			

*Guaranteed data reduction ratios are used for system sizing. Depending on workload and data characteristics, your reduction ratios may be higher or lower than Hitachi's 2:1 and 4:1 guarantees. To learn more visit: [Customer Guarantees](#) | [Data Infrastructure Management](#) | [Hitachi Vantara](#).

1TB = 1,000,000,000,000 bytes	LFF = large form factor	NVMe = non-volatile memory express	HDD = hard disk drive
1TiB = 1,099,511,627,776 bytes	SCM = storage class memory	SSD = solid state drive	FC = Fibre Channel
SFF = small form factor	SAS = serial attached SCSI	FMD = flash module drive	iSCSI = internet small computer systems interface

¹Using Global-Active Device (GAD)

² 15 non-meta virtual storage machines (VSMs) per node shared with NDM and GAD uses of VSMs.

About Hitachi Vantara

Hitachi Vantara, a Hitachi, Ltd. subsidiary, is the data foundation for innovation. We build resilient data storage and infrastructure the world's innovators rely on.



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