

Product Specification Matrix

Hitachi Virtual Storage Platform (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 / 4505 TiBe	9.1PBe / 8243 TiBe	14.1PBe / 12800 TiBe	1.6PBe / 1483 TiBe
Max. Raw Capacity	4.32PB (72x60TB SSD)			720TB (24x30TB SSD)
Effective Capacity Guarantee Ratio	2:1*	4:1*		4:1*
Max. External Virtualized Capacity (Raw)	64 PiB	128 PiB	192 PiB	128 PiB
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				
Max. Cache	256 GiB	768 GiB	1024 GiB	768 GiB
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" (87 mm H)	19.0" (482 mm W)	33.6" (852mm D)	19.0" (482 mm W)

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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 Non-disruptive 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)
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)			

Notes:

* 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](#)

1MB = 1,000,000 bytes

1MiB = 1,048,576 bytes

NVMe = non-volatile memory express

SSD = solid state drive

FC = Fibre Channel

iSCSI = Internet Small Computer Systems Interface

FIPS = Federal Information Protection Standard

TLS = Transport Layer Security

¹Using Global Active Device



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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.