

**HITACHI VIRTUAL STORAGE PLATFORM 5000 SERIES FAMILY MATRIX**

	VIRTUAL STORAGE PLATFORM 5200	VIRTUAL STORAGE PLATFORM 5200H	VIRTUAL STORAGE PLATFORM 5600	VIRTUAL STORAGE PLATFORM 5600H
<b>Capacity Specifications</b>				
<b>Performance (IOPS)</b>	5.1M	5.1M	33M	33M
<b>Performance (Latency)</b>	as low as 60µ	as low as 60µ	as low as 39µ	as low as 39µ
<b>Performance (Bandwidth)</b>	52GB/s	52GB/s	312GB/s	312GB/s
<b>MAX. Raw Internal Capacity</b>	23.1PB (30TB SSD)	23.1PB (30TB SSD)	69.3PB (30TB SSD)	69.3PB (30TB SSD)
<b>MAX. Raw External Capacity</b>	287PB	287PB	287PB	287PB
<b>Data Availability</b>	100% Guaranteed	100% Guaranteed	100% Guaranteed	100% Guaranteed
<b>Data Reduction</b>	Compression Accelerator Module	Compression Accelerator Module	Compression Accelerator Module	Compression Accelerator Module
<b>Effective Capacity</b>	4:1	4:1	4:1	4:1
<b>Data-at-Rest Encryption for NVMe and SAS</b>	YES	YES	YES	YES
<b>MAX. Number of Drives, Including Spares</b>	33 NVMe SCM 96 NVMe 768 SFF SSD	33 NVMe SCM 96 NVMe 768 SFF SSD/HDD 384 LFF HDD	99 NVMe SCM 288 NVMe 2,304 SFF SSD	99 NVMe SCM 288 NVMe 2,304 SFF SSD/HDD 1,152 LFF HDD
<b>Drive Pack Upgrades (Sold in Packages of 4 drives)</b>	375GB NVMe SCM 30TB NVMe SSD 15TB NVMe SSD 7.6TB NVMe SSD 3.8TB NVMe SSD 1.9TB NVMe SSD 30TB SAS SSD 15TB SAS SSD 7.6TB SAS SSD 3.8TB SAS SSD 1.9TB SAS SSD	375GB NVMe SCM 30TB NVMe SSD 15TB NVMe SSD 7.6TB NVMe SSD 3.8TB NVMe SSD 1.9TB NVMe SSD 30TB SAS SSD 15TB SAS SSD 7.6TB SAS SSD 3.8TB SAS SSD 1.9TB SAS SSD 2.4TB 10K SAS HDD 14TB 7.2K SAS HDD	375GB NVMe SCM 30TB NVMe SSD 15TB NVMe SSD 7.6TB NVMe SSD 3.8TB NVMe SSD 1.9TB NVMe SSD 30TB SAS SSD 15TB SAS SSD 7.6TB SAS SSD 3.8TB SAS SSD 1.9TB SAS SSD	375GB NVMe SCM 30TB NVMe SSD 15TB NVMe SSD 7.6TB NVMe SSD 3.8TB NVMe SSD 1.9TB NVMe SSD 30TB SAS SSD 15TB SAS SSD 7.6TB SAS SSD 3.8TB SAS SSD 1.9TB SAS SSD 2.4TB 10K SAS HDD 14TB 7.2K SAS HDD
<b>Max. Flash Media Trays (Sold in Packages of 4)</b>	4x NVMe SSD 32x SAS SSD	4x NVMe SSD 32x SAS SSD	12x NVMe SSD 96x SAS SSD	12x NVMe SSD 96x SAS SSD
<b>Max. HDD Media Trays (Sold in Packages of 8)</b>	N/A	32x 10K SAS HDD 32x 7.2K SAS HDD	N/A	96x 10K SAS HDD 96x 7.2K SAS HDD
<b>No. Controller Blocks</b>	1	1	1,2 or 3	1,2 or 3
<b>Nodes Per System</b>	2	2	2,4,6	2,4,6
<b>No. Controllers Per System</b>	2	2	4,8,12	4,8,12
<b>Hitachi Accelerated Fabric</b>	2x Node Interconnect Switch	2x Node Interconnect Switch	2x Node Interconnect Switch	2x Node Interconnect Switch
<b>Controller Interconnectivity</b>	4x Fabric Acceleration Modules	4x Fabric Acceleration Modules	8,16,24x Fabric Acceleration Modules	8,16,24x Fabric Acceleration Modules
<b>Node Dimensions</b>				
<b>Height</b>	4U, 6.9" (174mm)	4U, 6.9" (174mm)	4U, 6.9" (174mm)	4U, 6.9" (174mm)
<b>Width</b>	17.6" (446mm)	17.6" (446mm)	17.6" (446mm)	17.6" (446mm)
<b>Depth</b>	30.1" (763mm)	30.1" (763mm)	30.1" (763mm)	30.1" (763mm)
<b>Max. Weight per Block</b>	342 lbs. (155kg)	343 lbs. (155kg)	397 lbs. (180kg)	398 lbs. (180kg)
<b>Host Interface Types</b>	FC-NVMe: 32Gb/s FC: 16Gb/s FC: 32Gb/s IBM® FICON®: 16Gb/s iSCSI: 10Gb/s	FC-NVMe: 32Gb/s FC: 16Gb/s FC: 32Gb/s IBM® FICON®: 16Gb/s iSCSI: 10Gb/s	FC-NVMe: 32Gb/s FC: 16Gb/s FC: 32Gb/s IBM® FICON®: 16Gb/s iSCSI: 10Gb/s	FC-NVMe: 32Gb/s FC: 16Gb/s FC: 32Gb/s IBM® FICON®: 16Gb/s iSCSI: 10Gb/s
<b>MAX HOST Port Count</b>	32 x FC-NVMe 32 x FC 32 x FICON 16 x iSCSI	32 x FC-NVMe 32 x FC 32 x FICON 16 x iSCSI	192 x FC-NVMe 192 x FC 192 x FICON 96 x iSCSI	192 x FC-NVMe 192 x FC 192 x FICON 96 x iSCSI
<b>Max Fibre Bandwidth to Host</b>	102.4GB/s	102.4GB/s	614.4GB/s	614.4GB/s
<b>Back-end Disk Interface and Links</b>	32 x SAS or NVMe	32 x SAS or NVMe	192 x SAS and NVMe	192 x SAS and NVMe
<b>Max. Cache</b>	1TiB	1TiB	2TiB: 1x Controller Block 4TiB: 2x Controller Block 6TiB: 3x Controller Block	2TiB: 1x Controller Block 4TiB: 2x Controller Block 6TiB: 3x Controller Block
<b>RAID supported</b>	RAID-1* (2D+2D/4D+4D) RAID-5 (3D+1P/7D+1P) RAID-6 (6D+2P/14D+2P)	RAID-1* (2D+2D/4D+4D) RAID-5 (3D+1P/7D+1P) RAID-6 (6D+2P/14D+2P)	RAID-1* (2D+2D/4D+4D) RAID-5 (3D+1P/7D+1P) RAID-6 (6D+2P/14D+2P)	RAID-1* (2D+2D/4D+4D) RAID-5 (3D+1P/7D+1P) RAID-6 (6D+2P/14D+2P)
<b>MAX. LUN Size</b>	256TB	256TB	256TB	256TB
<b>MAX. Number of LUNS</b>	65,280	65,280	65,280	65,280
<b>MAX. Number of Snapshots</b>	1,024 per LUN; 1,048,575 per system	1,024 per LUN; 1,048,575 per system	1,024 per LUN; 1,048,575 per system	1,024 per LUN; 1,048,575 per system
<b>MAX. Number of Hosts per Fibre Channel Port</b>	255	255	255	255
<b>VALUE ADDED FEATURES</b>	Storage Virtualization In System Replication Copy Management Infrastructure Analytics Non-disruptive Migration 100% Data Availability Guarantee Total Efficiency Guarantee Modern Storage Assurance	Storage Virtualization In System Replication Copy Management Infrastructure Analytics Non-disruptive Migration 100% Data Availability Guarantee Total Efficiency Guarantee Modern Storage Assurance	Storage Virtualization In System Replication Copy Management Infrastructure Analytics Non-disruptive Migration 100% Data Availability Guarantee Total Efficiency Guarantee Modern Storage Assurance	Storage Virtualization In System Replication Copy Management Infrastructure Analytics Non-disruptive Migration 100% Data Availability Guarantee Total Efficiency Guarantee Modern Storage Assurance

\*RAID 1 selection mirrors blocks across two drives and then creates a striped set across multiple drive pairs. This is commonly referred to as RAID 1+0.

1TB = 1,000,000,000,000 bytes

1TiB = 1,099,511,627,776 bytes

SFF = small form factor, LFF = large form factor

SCM = storage class memory, SAS = serial attached SCSI, NVMe = non-volatile memory express, SSD = solid state drive, FMD = flash module drive, HDD = hard disk drive, FC = Fibre Channel, iSCSI = internet small computer systems interface