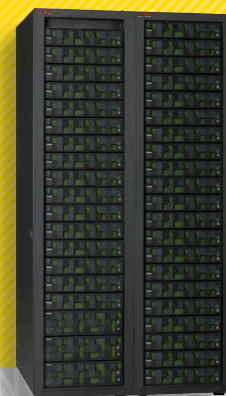A highly reliable, flexible and scalable storage system, Hitachi Unified Storage 150DC supports large and enterprise telecommunications company central offices and DC-powered data centers.

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Hitachi Unified Storage 150DC

Resilient, Enterprise-Class Storage at a Modular Price

Hitachi Unified Storage (HUS) 150DC is an evolution in managing data, without compromising performance, scalability or cost efficiency. Its highly efficient architecture allows organizations to satisfy growth requirements and meet business goals while simplifying operations, reducing the total cost structure and quickly adapting to changing storage environments. When combined with Hitachi Command Suite management software, HUS 150DC enables an optimized and agile data infrastructure.

HUS 150DC provides a balanced approach to scalability that extends investments further. Capacity of a single system can grow to nearly 2PB, while performance can increase linearly and to industry-leading heights. Scale the capacity of data sets with megaLUNs up to 128TB. Remotely copy all data without limits.

HUS 150DC is the fastest midrange storage system available today, enabling organizations to achieve performance goals at the lowest possible price. High-end storage functionality, such as auto-tiering, is available with HUS to facilitate automated placement of data for the highest performance at the lowest cost.

Now data can be provisioned, managed and archived throughout its lifecycle, consistently and efficiently. HUS promotes faster and easier provisioning of storage within virtualized environments, and it provides application-aware data protection for both virtualized and nonvirtualized server environments.

HUS 150DC has dual high-performance, dynamic virtual controllers that simplify provisioning, path management and performance optimization. HUS uses Hitachi Dynamic Provisioning to pool and tier data with maximum flexibility.

HUS is built on legendary Hitachi reliability for at least 99.999% data availability requirements, with complete system redundancy, hot-swappable parts, outstanding data protection and dynamic virtual controllers. Intelligent automation for failover, load balancing, tiering and migration keeps storage operations up and running at optimal performance. Additional data recovery and protection tools allow for application-aware recovery, simpler backup, restore, failover and consistency across copies, and reduced business risk, downtime and migration concerns.

HUS supports myriad operating systems, data types and storage and server environments. It provides integrated solutions for Microsoft®, VMware and Oracle environments.

Business Benefits

Keep Ahead of Data Growth Demands

- Scale system capacity to nearly 2PB without affecting performance.
- Certified to ETSI/NEBS level-3 to meet the standards of the most demanding telco environments.
- Meet performance requirements with a lower investment in storage.
- Automatically correct performance issues and provision more quickly with dual dynamic virtual controllers.
- Pool and grow storage with Hitachi Dynamic Provisioning for maximum flexibility without capacity limitations.
- Natively use -48V direct current (DC) power supplies.

Meet Service Level Agreements (SLAs)

- Meet SLAs with 99.999% data availability and advanced management tools.
- Maximize performance with all SSD configurations.
- Automate data placement for higher performance at lower cost with Hitachi Dynamic Tiering software. Deploy storage solutions that have been validated for application integration.
- Manage storage from an application management portal.
- Perform system maintenance without interrupting host I/Os.

Reduce Downtime and Business Risk

- Dynamically manage replication and backup.
- Utilize crash-consistent snapshots for application-aware backup, recovery and failover.

FEATURE HIGHLIGHTS AND SUMMARY

Capacity	
Maximum Number (Max. No.) of Drives	480 large form factor (LFF)/960 small form factor (SFF)
Max. Raw Capacity	1,920TB (3.5" SAS) 1,152TB (2.5" SAS) 384TB (2.5" SSD)
LFF (3.5") SAS Drives Supported	4TB, 7200 rpm 3TB, 7200 rpm 2TB, 7200 rpm
SFF (2.5") SAS Drives Supported	300GB, 15k rpm 1.2TB, 10k rpm 900GB, 10k rpm 600GB, 10k rpm 300GB, 10k rpm
SFF (2.5") SAS Flash Drives Supported	400GB 200GB
Disk Expansion Trays	2U: 24 SFF (2.5") 2U: 12 LFF (3.5")
Block Module	
Height	3U
Controller Cards	2
Internal Drives	N/A
Host Interfaces (FC = Fibre Channel)	FC: 8Gb/sec iSCSI: 10GbE
Host Connections per Module	16 FC, 8 FC, 8 FC + 4 iSCSI, 8 iSCSI
Cache per Module	32GB
Max. LUN Size	128TB
Max. No. of LUNs	4096
RAID Supported	RAID-0, RAID-1, RAID-1+0, RAID-5, RAID-6
Max. RAID Groups	200

Hitachi Data Systems

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