

Hitachi Thunder 9585V™ Ultra High-end Modular Storage System

The Hitachi Thunder 9585V™ storage system supports demanding applications as a core system for small- and medium-sized businesses, and as an edge system for large enterprises it helps meet strict compliance regulations for archiving information in cost-efficient tiered storage architectures.

Increase Productivity, Shorten Time to Market, and Mitigate Risk

For the high end of your midrange storage infrastructure, or for entering the enterprise zone, the Thunder 9585V system, powered by Hi-PER Architecture™ high-performance RAID architecture, quickly responds to heavy-duty, need-it-now markets and fast-paced internal operations.

Business Benefits

The top performance you need, the lower total cost of ownership (TCO) that management wants

- ∴ Simplify storage by consolidating other systems into one footprint.
- ∴ Scale up to 129TB of Fibre Channel or more than 173TB of Fibre Channel/SATA intermix storage capacity without disrupting mission-critical business applications.
- ∴ Lower your TCO over each system's lifetime, saving on operating and resource expenditures.
- ∴ Spend less time managing storage.
- ∴ Gain more time for new business efforts.
- ∴ Leverage your IT investment.
- ∴ Reduce software costs and associated licensing and maintenance fees.

SAN/NAS coexistence pays for business activities

- ∴ Deliver responsive file access for your employees and customers using as many as eight Fibre Channel ports.
- ∴ Optimize use of your storage assets.
- ∴ Extend investment protection.
- ∴ Reduce storage management complexity.
- ∴ Lower storage management costs.

Gain flexible connectivity for problem-free open systems

- ∴ Benefit from connectivity to as many as eight ports; 1,024 virtual host ports.
- ∴ Build an agile storage system, with concurrent support for all major open systems platforms and addressable 8GB cache.

Extend an existing SAN

- ∴ Manage and configure your systems using Hitachi HiCommand® Suite and Storage Area Management (SAM) software.

Modular Storage for the Midrange Market

- ∴ Hitachi Thunder 9585V ultra high-end modular storage
- ∴ Hitachi TagmaStore Network Storage Controller model NSC55
- ∴ Hitachi TagmaStore Adaptable Modular Storage model AMS500
- ∴ Hitachi TagmaStore Adaptable Modular Storage model AMS200
- ∴ Hitachi TagmaStore Workgroup Modular Storage model WMS100

Hitachi Data Systems understands the challenges of growing small- and medium-sized businesses and has developed Application Optimized Storage™ solutions to match your company's application requirements to your storage system attributes.

Hitachi Data Systems Global Solution Services offers you architectural analysis, configuration planning, and enterprise assessment to deliver fully effective data protection services, including migration and consolidation.

Hitachi Thunder 9585V Technical Specifications

Physical Characteristics

Raw capacity	129.1TB Fibre Channel or 173.6TB Fibre Channel/SATA intermix
Disk drive technology options (Fibre Channel unless otherwise noted)	73GB (10,000RPM) 73GB (15,000RPM) 146GB (10,000RPM) 300GB (10,000RPM) 250GB SATA (7200RPM) 400GB SATA (7200RPM)
Disk drive interface	SATA-Fibre Channel intermix
Minimum/maximum number of disk drives	5-449 Fibre Channel, 0-420 SATA
Number of controllers	1 or 2
Host Fibre Channel connections	8 at 1Gbit/sec or 2Gbit/sec
Maximum attached hosts (virtual ports)	1,024
Fibre Channel Arbitrated Loops (FCALs)	8
LUNs	2,048

RAID Support

- RAID-0 (Fibre Channel only)
- RAID-1
- RAID-1+0
- RAID-5

Availability

Nondisruptive component replacement	MAJOR FRU
Nondisruptive hot-pluggable disks	
Nondisruptive microcode updates	
Hi-Track® "call-home" service/remote maintenance tool	

Performance

Maximum cache	2GB-8GB
Cache binding	Hitachi Cache Residency Manager software

Software

Management software	Hitachi Resource Manager™ utility package, Hitachi HiCommand® Suite and Storage Area Management (SAM)
Common APIs	YES—across Hitachi storage systems
Remote copy	YES—across Hitachi storage systems
Point-in-time copy	Hitachi ShadowImage™ In-System Replication, Hitachi Copy-on-Write Snapshot
Serverless disk copy and tape	Hitachi Cross-System Copy to/from Hitachi TagmaStore™ Universal Storage Platform and Hitachi Lighting 9900™ V Series systems
LU-change-ownership	
LUN security	Hitachi Volume Security
Host Storage Domains; multiple LUN0/port; Virtual Storage Ports	
Storage system-based "write once, read many" (WORM) data protection	Hitachi Data Retention Utility
Dynamic LUN management	Logical Volume Concatenation
Host failover	Hitachi Dynamic Link Manager™ path manager
Heterogeneous SAN management	HiCommand Storage Services Manager and HiCommand Path Provisioning Manager, both powered by AppIQ

Operating Systems Support

- IBM® AIX®
- HP-UX
- Sun Solaris
- Microsoft Windows NT, Windows 2000, Windows Server 2003
- HP Tru64 UNIX
- SGI IRIX
- Novell NetWare
- Linux
- HP OpenVMS
- NetApp® Data ONTAP, via HDS-NetApp Enterprise NAS Gateway
- IBM z/OS®, via Universal Storage Platform external attachment
- VMware
- Apple MAC OS

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