

StorageTek® D280 Disk Subsystem

StorageTek® Disk Subsystems

Key Business Benefits

- > **Unprecedented performance**
Increase employee productivity and deliver better service to your customers with faster response times.
- > **Investment protection**
Buy only what you need today and expand your storage as needed in the future. Or, migrate from a D173 subsystem to a D280 subsystem easily and quickly.
- > **Simplified management**
The StorageTek® D-Series Software Suite provides non-disruptive, online storage management that can be performed from your IT shop floor or from remote locations.
- > **SAN readiness**
Fabric login support and multi-host heterogeneous support combine to help you realize the full potential of storage area networks.
- > **Secure storage resource sharing**
The D-Series Software Suite enables you to share your D280 disk subsystem as an effective SAN resource, while ensuring secure, dedicated online storage.
- > **Professional services and support**
Maintain one-source accountability with evaluation, recommendations and support from StorageTek.

Highest performance available today

In today's competitive business environments, you need online storage that maximizes application performance, yet is cost effective. The StorageTek D280 disk subsystem, brought to you through a strategic alliance between StorageTek and LSI Logic Storage Systems, is designed to meet your requirements in extremely high I/O and bandwidth environments, without sacrificing flexibility and ease of management.



The StorageTek D280 disk subsystem is designed exclusively for open enterprise environments in which you need lightning-fast response times and unsurpassed functionality. The two-gigabit Fibre Channel D280 disk subsystem delivers speeds up to 772 megabytes per second and storage capacity of over 32 terabytes. The D280 subsystem also provides heterogeneous host support, pay-as-you-grow scalability, modular flexibility, high availability, online management and integrated storage partitioning and data replication.

Simplified management and administration

StorageTek's D-Series Software Suite provides a consistent interface across all supported platforms and centralized, non-disruptive administration of one or more D-Series subsystems. You can set up storage quickly, add capacity, configure changes, partition storage, map any volume to any server and mix drive capacities and RAID levels. Robust event monitoring and notification capabilities help you to resolve issues immediately.



The D280 disk subsystem lowers total cost of ownership, delivers higher return on investment and provides the performance, features, functionality and flexibility to ensure your storage plan supports your business strategy.

D280 disk subsystem specifications

Performance data					
Maximum burst I/O rate from cache					148,000 I/O per sec
Maximum sustained I/O rate from media					53,200 I/O per sec
Maximum sustained transfer rate from media					772 MB/sec
Number of drives in a single cabinet					14 - 154
Number of drives supported					14 - 224
Cache size per controller					1 GB (2 GB mirrored)
Capacity					
36 GB Fibre Channel drives (10,000 and 15,000 rpm)					504 GB - 8.1 TB
73 GB Fibre Channel drives (10,000 rpm)					1.0 TB - 16.4 TB
146 GB Fibre Channel drives (10,000 rpm)					2.0 TB - 32.7 TB
Host/drive connections					
Eight 2-Gb Fibre Channel host-side connections					
Four 2-Gb Fibre Channel drive-side connections					
Availability					
Supports RAID levels 0, 1, 3, 5 and 1+0					
Redundant storage controllers, Fibre Channel drive loops, power supplies and cooling fans					
Hot-swap disk drives, storage controllers, power supplies, cooling fans and battery backup					
Automatic drive failure detection and rebuild using global hot spare drives					
Cache battery backup					
Online storage management					
Physical characteristics					
	Maximum #				
Rackmount	of disk drives	Height	Width	Depth	Weight
D280 002 control module	N/A	6.9 in (17.5 cm)	19 in (48.2 cm)	24.8 in (63.2 cm)	97 lb (44 kg)
D200 014 drive module	14	5.2 in (13.1 cm)	19 in (48.2 cm)	22.8 in (57.9 cm)	88 lb (40 kg)
Full configuration (two cabinets, one control module, sixteen D200.014 drive modules):					
Totals		72 in (182.8 cm)	44 in (111.8 cm)	36 in (91.5 cm)	2,039 lb (927 kg)
Operating environment					
Temperature		+50° F to +104° F (+10° C to +40° C)			
Safety and emissions					
Electromagnetic compliance		EN 5502 Class A EN 50082-1, including IEC 801-2, IEC 801-3, IEC 801-4 FCC Class A VCCI Class I			
Safety compliance		UL 9150 CSA 22.2 No. 950 IEC 950 EN 60950			
Power source					
U.S. and Japan		115 V, 15A, NEMA 5-15			
International		230 V, 10A, power connection as required			

About StorageTek

StorageTek (NYSE:STK), a \$2 billion worldwide company with headquarters in Louisville, Colo., delivers a broad range of storage solutions for digitized data. StorageTek solutions are easy to manage and allow universal access to data across servers, media types and storage networks. StorageTek is the innovator and global leader in virtual storage solutions for tape automation, disk storage systems and storage networking. Because of StorageTek, customers can manage and leverage their digital assets as their businesses grow, and can maximize IT productivity to ensure enterprise-class continuity. For more information, see www.storagetek.com or call **1.800.786.7835**.

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Specifications/features may change without notice.

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MO 9166 C 2/03



About LSI Logic Storage Systems, Inc.

LSI Logic® Storage Systems, Inc., a subsidiary of LSI Logic Corporation, builds high performance, highly scalable storage systems and sophisticated, multi-vendor storage management applications for resource optimization and consolidation in the open enterprise.

For more information, please call 1-888-638-2786 or 1-408-433-8686 or visit www.lsillogicstorage.com.