



# StorageTek® D173 Disk Subsystem

## KEY BUSINESS BENEFITS

With the StorageTek® D173 disk subsystem, your business will benefit from:

**Right-sized, scalable open disk solution.** Attain true “pay as you grow” capabilities with the D173 subsystem and StorageTek® D-Series disk line. With D-Series open architecture and modularity, you can scale seamlessly up or down to meet your changing storage requirements while leveraging and protecting your original investment.

**Enterprise-class functionality at an entry-level price.** Gain the performance you need and save time and resources. Achieve “single view,” non-disruptive storage management – and much more – via SANtricity™ Storage Manager software

**SAN-readiness.** Put yourself one step closer to SAN implementation with fabric log-in support and full heterogeneous attach capabilities.

**Professional services and support.** Maintain “one-source” accountability with evaluation, recommendations and support from StorageTek.

## Expand your storage options

In times of rapid, unpredictable change, you need online storage that won't lock you in and restrict your options. The robust StorageTek D173 disk subsystem, brought to you through a strategic alliance between StorageTek and LSI Logic Storage Systems, is designed to help you meet business requirements with flexibility, expandability and simplified storage management – all in a budget-friendly manner.

Designed for entry-level to mid-range open systems storage environments, the full-Fibre Channel D173 disk subsystem supports more than five terabytes of information. Plus, the enterprise features of the StorageTek D173 subsystem deliver much more than a secure place for your information.

## Compare...and see the value

JBOD and many RAID systems just don't measure up to the StorageTek D173 subsystem. The extreme modularity of the D173 subsystem permits upward or downward migration to other StorageTek D-Series products such as the D178 disk subsystem, 9176 disk subsystem and 9170 disk array, so you avoid costly forklift upgrades. The D173 subsystem is also perfect for smaller capacity, departmental storage requirements or for environments in which you need cost-effective scalability.

With the StorageTek D173 subsystem, you can sustain continuous access and eliminate downtime costs with a redundant dual active controller driver and automated volume transfer, plus best-in-class performance tuning and hot-swappable components.



## Centralize and simplify management non-disruptively

The D173 disk subsystem works in conjunction with the D-Series line of hardware and software. When purchased with SANtricity™ Storage Manager software, you can manage data stored in your D-Series disk systems from anywhere in your business with an easy-to-use GUI. SANtricity creates a single view of your storage ecosystem, which allows you to set up storage devices quickly, add capacity, configure changes, partition storage and implement event monitoring and notification. With its built-in fabric log-in support and heterogeneous attach capabilities, you can implement a SAN more easily. SANtricity also enables premium features like SnapShot Copy, SANshare Storage Partitioning and Remote Volume Mirroring.

## Lower your total cost of ownership with virtualization

Combine the host-level virtualization capabilities of StorageTek's Application Storage Manager™ (ASM) software with D-Series products to dramatically reduce the total cost of ownership across your data storage system. ASM software integrates tape and disk into a seamless storage system and enables you to control storage costs throughout the information life cycle. With ASM, you can manage data across a multi-tiered storage hierarchy, automatically and transparently, according to the unique requirements of your business environment.

## Protect your investment

Leverage your StorageTek D173 subsystem asset in many ways. Reduce capital investment expense with multi-host attachment. Integrate the D173 subsystem seamlessly into backup and NAS solutions. Change software vendors without changing the D173 subsystem, thanks to true open architecture. Pay as you grow and take advantage of lower future storage prices. Move the flexible D173 subsystem from department to enterprise to meet changing business needs. Obtain "one-stop" professional services and support from StorageTek and optimize every aspect of your storage operations.

## D173 disk subsystem specifications

### Performance data

Host interface	Two Fibre Channel interfaces 100 MB/sec each, 200 MB/sec total
Cache size per controller	128 MB (256 MB mirrored)
Drive interface	Dual, independent FC-AL interface ports each drive 100 MB/sec each, 200 MB/sec total

### Capacity

9170 disk array	Maximum arrays 2 Maximum drives 28
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### Functional data

Drive capacity	36 GB, 72 GB, 180 GB
Rotational velocity	15,000 rpm, 10,000 rpm, 7200 rpm

### System

Capacity (maximum) Single array	14 drives, 1.8 TB
Cable length (maximum) Optical	500 m external to array

### Availability

Supports RAID levels 0, 1, 3, 5, and 1+0

### Physical characteristics

Height	5.12 in (13 cm)
Width	5.2 in (13.8 cm)
Depth	17.7 in (44.9 cm)
Weight	55 lb (25 kg)

### Operating environment

Temperature	50° to 104°F (10° to 40°C)
Relative humidity (non-condensing)	20% to 80%
Altitude	Maximum 9840 ft (3000 m) @ 104°F (40°C) Maximum 40,000 ft (12,000 m) @ 98.6°F (37°C)
Temperature gradient	10° C/hr

### Safety and emissions

Electromagnetic compliance	FCC Class B CSA C22.2-950 VCCI Class 2 EN60950 EN55022 Class B CE Mark
Safety compliance	U.L. 1950
Manufactured under an ISO 9000-registered quality system	

### Power source

Input requirements	47 to 63 Hz, 90 to 264 Vrms, single phase
Power factor	0.95 minimum



## 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 business continuity. For more information, see [www.storageitek.com](http://www.storageitek.com) or call 1.800.786.7835.

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## 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](http://www.lsillogicstorage.com).

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