

StorageTek™ Virtual Tape Library Storage Appliance



Highlights

- **Improve backup and recovery processes.** Reduce backup windows, improve backup success rates, accelerate recovery times, and increase availability with a disk-to-disk solution.
- **Support consolidation.** Achieve a single point of administration with the Virtual Tape Library storage appliance because it manages data from multiple backup servers and multiple backup applications.
- **Optimize performance.** Reduce CPU overhead by using tape emulation, which allows the backup server to move fewer but larger blocks of data. As a result, you can improve throughput. The high-performance write-optimized disk technology does not require ongoing disk or capacity management.
- **Reduce data protection costs.** Reduce your overall cost of backup operations through improved tape utilization and shared tape resources. Save valuable time related to backup and recovery processes. Defer or avoid the purchase of additional tape drives.
- **Enhance data protection.** Work with industry leaders who offer storage area networking expertise, backup and recovery integration services, and “one call” support.



Backups fail. Recoveries take too long. Traditional tape management can be labor intensive. These all-too-familiar concerns place your data and your business at risk. Now, however, you can address backup/recovery issues with an advanced disk-based virtual tape and library emulation solution sized for a wide variety of open systems environments. With simple, reliable, and more predictable backup and recovery, you improve data protection. In a single rack, you receive a server, VTL software, and StorageTek FlexLine™ online storage system hardware. With the StorageTek™ Virtual Tape Library appliance, you can improve the performance and reliability of existing backup and recovery application processes by presenting a variety of virtual tape drives, libraries, and tape cartridges to those applications.

Consolidate and simplify

The Virtual Tape Library (VTL) appliance solution integrates seamlessly with leading backup and recovery products and permits multiple backups to occur simultaneously and successfully. RAID-protected disk emulates DLT, SDLT, LTO, StorageTek T9840 and T9940 tape drives, and StorageTek L-Series™ tape libraries (L20 through L700e).

The disk presents itself to the operating environment as tape, so you can preserve existing tape and backup procedures and protect your investment in backup software. Within your existing architecture, you can consolidate the management and provisioning of backup resources, share tape devices across multiple backup applications, and incrementally add new workloads without affecting tape configurations.

Lower cost of operations

Centralization and simplification help you save money because you reduce manual oversight and intervention. With improved asset utilization, you can defer or avoid purchase of additional tape drives. In addition, disk-based recovery reduces downtime related to backups and accelerates recoveries so you can maintain better application availability, spend less time engaged in scheduling and troubleshooting, and you can reduce backup administration.

Choose the size and performance you need

StorageTek VTL appliance is available in three versions based on terabytes of usable disk space (including RAID and global spaces), throughput, and redundancy. The high-performance disk arrays are optimized for virtual tape and specifically configured for sequential or streaming workloads. Highly redundant configurations are also available as preconfigured systems. Depending on the series, customers can add software features to meet special requirements: alternative host connectivity, compression, encryption or remote replication.

Series 1000 — Appliance is packaged with the FlexLine 280 disk controller and FLC200 SATA disk array configurations offer 3.8 to 70.3 terabytes (usable) of preconfigured buffer capacity, two Fibre Channel ports for host connectivity, 16 virtual tape libraries, 128 drives, and 2048 virtual tape cartridges.

Series 2000 — Appliances are packaged with the FlexLine 280 disk controller and FLC200 SATA disk array configurations offer 3.8 to 70.3 terabytes (usable) of preconfigured buffer capacity, four Fibre Channel ports for host connectivity, 64 tape libraries, 512 drives, and 2048 virtual tape cartridges with optional support for up to 4096 virtual tape cartridges.

Software options for the Series 2000 appliances include IP replication, compression, encryption, iSeries/AS400 support, and NDMP support.

Series 3000 — Appliances are packaged with the FlexLine 280 disk controller and FLC200 SATA disk array configurations offer 3.8 to 70.3 terabytes (usable) of preconfigured buffer capacity; twelve Fibre Channel ports for host or tape connectivity are available spread between two active servers. The Fibre Channel ports can also be configured for failover to provide complete protection against server failures, 128 tape libraries, 1024 drives, and 8192 virtual tape cartridges with optional support for up to 4096 virtual tape cartridges are available.

Software options for the Series 3000 appliances include IP replication, compression, encryption, iSeries/AS400 support, and NDMP support.

Engage the storage experts

Sun StorageTek service professionals help you address storage challenges by delivering integrated services and solutions that optimize and manage storage performance over the life of your data. Our recognized, world-class service and customer care give you confidence that your technology investment is protected and that your business will be responsive to change. We can help you pinpoint opportunities to reduce costs, mitigate business risk, and better leverage information assets. Our consulting and managed services offer clear and simple choices in solutions that address your regulatory concerns, complex storage growth, resource management, and scalability challenges. Covering over 125 countries, more than 2100 dedicated storage service professionals can help you gain and sustain measurable results with the reliability and flexibility that you require.

	Capacity, raw (uncompressed)	Capacity, usable (uncompressed)	Host/total connectivity	Performance	Virtual tape libraries/drives/carts	Appliance package
VTL1280 Appliance	5.6–89.6 TB	3.8–70.3 TB	2/6 Gb/sec FC	Up to 300 MB/sec	16/128/2048	One 19-in. rack
VTL2280/2380 appliances	5.6–89.6 TB	3.8–70.3 TB	4/10 Gb/sec FC	Up to 450 MB/sec	64/512/4096	Up to two 19-in. racks
VTL3280/3380 appliances	5.6–89.6 TB	3.8–70.3 TB	6/20 Gb/sec FC	Up to 900 MB/sec	128/1024/8192	Up to two 19-in. racks