Use SAS Tape Drives to Lower the Cost of Remote Tape Implementation
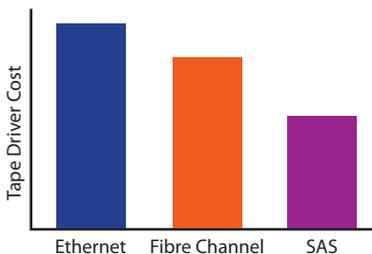
BENEFITS

- Better throughput performance than native SAS using ATTO SpeedWrite™
- Lower cost than using Fibre Channel or Ethernet tape drives
- Fewer Fabric switch ports required
- Advanced monitoring and management provided by the controller
- Up to sixteen drives and media changers can directly be connected to the controller
- Compatible with major backup software and LTFS
- Easy to configure and maintain

TAPE PERFORMANCE

- ATTO XstreamCORE FC models support up to 6.4 GB/s Throughput
- ATTO XstreamCORE ET8200 supports 6.0 GB/s when connected to iSER and 2.5 GB/s when connected to iSCSI

COMPLEMENTARY PRODUCTS

- ATTO Celerity™ 16Gb or 32Gb single, dual and quad port Fibre Channel host adapters
- ATTO ThunderLink® dual port Thunderbolt™ to 16Gb Fibre Channel adapters
- ATTO FastFrame™ 40Gb Ethernet NICs

SAS Tape drives have up to 40% lower cost than Fibre Channel drives. Additionally, using SAS drives with an ATTO XstreamCORE lowers the overall costs over time with less power used and fewer switch ports required than native Fibre Channel and Ethernet drives.

Big data, virtualization and cloud applications are driving large amounts of data onto disk storage. With regulations and business continuance concerns tape has been the easiest and most convenient way to archive data in an easy to travel and store format and the most cost effective for long term storage. Plus the latest tape technology rivals performance and capacity of disk with a reasonable price per terabyte. Your tape strategy should include optimizing your infrastructure while using the latest technology to help manage and monitor your tape devices.

The ATTO XstreamCORE® family are accelerated bridging devices that connect serial-attached storage (SAS) tape and SAS/SATA disk to Fibre Channel or Ethernet storage area networks (SANs) while adding advanced features for the management and monitoring of attached devices. Using SAS fan-out cables you are able to connect sixteen tape drives directly to an XstreamCORE lowering the total cost of ownership compared against Fibre Channel or Ethernet tape drives while adding features not available in native tape drive technology

PROBLEM – BACKING UP TO TAPE OVER A LONG DISTANCE

Secure data centers don't allow access to the server room, so making tape backups can be a challenge. By running Fibre Channel or Ethernet outside of the data center to secure backup locations in the data center technicians and users can have access to servers to make backups without disturbing the security of the data center.

SOLUTION – SAS LTO TAPE DRIVES WITH AN XSTREAMCORE®

By using an ATTO Fibre Channel or Ethernet to SAS/SATA controller up to sixteen SAS tape drives can be connected at a lower cost than Fibre Channel or Ethernet drives without the need for a large quantity of Fabric switch ports. Two to four Fabric ports are all that are required to connect up to sixteen SAS tape drives. Plus, using an ATTO XstreamCORE gives added control with advanced troubleshooting, management and monitoring capabilities.

Ethernet or Fibre Channel Fabric

XstreamCORE ET8200

SAS LTO Tape Drives

Fabric
SAS/SATA