



Adding Ethernet connectivity to HPE StoreEver MSL SAS Tape Libraries

An introduction to HPE StoreEver MSL tape solution

HPE StoreEver MSL SAS Tape Libraries provide secure, scalable, and cost-effective Linear Tape-Open (LTO) Ultrium storage solutions designed to meet the growing demands of long-term data protection. With the modular design, exceptional storage density, and capacity, HPE StoreEver MSL SAS Tape Libraries provide flexibility and scalability. Feel confident knowing HPE StoreEver MSL Tape Libraries provide unsurpassed security by isolating and protecting critical data from unauthorized access with an air gap.

Expanding the potential of HPE StoreEver tape with Ethernet

To connect your HPE StoreEver MSL SAS Tape Library to a network, the most common options are:

1. Connecting the library to a backup server through a Serial-Attached SCSI (SAS) interface and sending all the backup traffic through a dedicated host
2. Connecting a tape library, such as the HPE StoreEver MSL3040 Tape Library, to a Fibre Channel SAN, allowing multiple servers to access the tape device across the dedicated storage network

But if your network environment is primarily Ethernet-based, how can you connect your tape library and benefit from the low cost, scalability, and security of HPE LTO tape?

The answer is high-speed Ethernet connectivity for SAS with Hewlett Packard Enterprise and ATTO Technology, Inc.

In the figure below, a backup server is required to connect to the HPE StoreEver MSL SAS Tape Library through a SAS HBA creating a potential bottleneck and restricting network sharing of the library, whereas, with the ATTO XstreamCORE ET 8100T 10 Gb bridge, the HPE StoreEver MSL SAS Tape Library can be connected to servers on the Ethernet network helping ensure high-availability tape storage over distance.

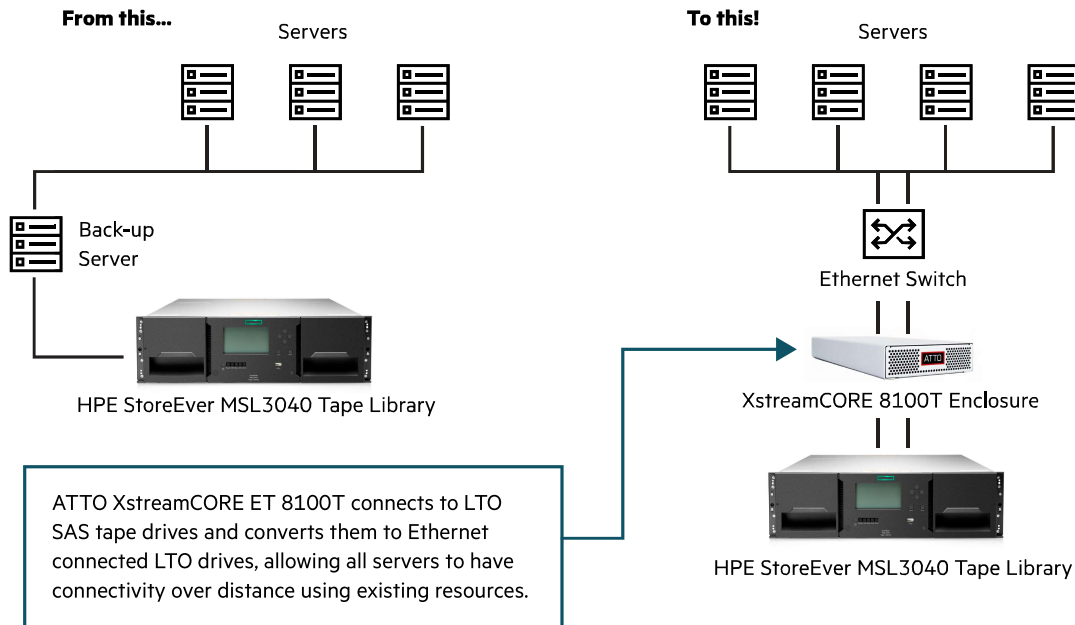


Figure 1. Example of how customers can migrate from SAS to Ethernet connectivity using an ATTO XstreamCORE ET 8100T 10 Gb

ATTO XstreamCORE ET 8100T 10 Gb adds Ethernet to SAS tape drives

The ATTO XstreamCORE ET 8100T 10 Gb intelligent bridge allows you to remotely connect to SAS tape drives over standard Ethernet networks using iSCSI protocols. It adds shared storage benefits to SAS storage at direct attached speeds.

When combined with [HPE StoreEver MSL LTO Tape Libraries](#), you can deliver Ethernet-connected LTO tape for open compute, cloud-based, and [hyperscale](#) environments.

ATTO XstreamCORE ET 8100T provides Ethernet remote access to an HPE StoreEver MSL SAS-connected tape library, enabling the movement of tape storage away from computer resources. Optimized for high performance with multiple hardware acceleration engines, ATTO XstreamCORE ET 8100T provides industry-leading performance to up to four SAS tape drives.

Key benefits of HPE StoreEver

- Scalable, low-cost storage for petabytes of data using LTO tape
- Advanced features of HPE StoreEver Command View for Tape Libraries making it easy to manage your library from a single pane of glass, anywhere in the world
- Investment protection to reuse and upgrade older tape drives
- Ransomware protection provided by having data securely offline behind an air gap

Key benefits of ATTO XstreamCORE ET 8100T 10 Gb

- Delivers the same performance as direct-attached SAS—no latency penalties
- Enables shared and distributed backup workflow over Ethernet, improving network performance and efficiency
- Requires fewer fabric switch ports
- Provides advanced monitoring and management by the ATTO bridge controller
- Supports up to four tape drives and libraries to be directly connected to the controller
- Communicates with multiple hosts and different tape drives
- Provides easy configuration and maintenance



Table 1. Technical specifications

Features	ATTO XstreamCORE ET 8100T high performance intelligent bridge tech specs
Input connectors	Two 10 Gb Ethernet
Output connectors	One 12 Gb (x4) SAS
Protocols supported	iSCSI
SAS devices supported	4 (using 4x1 SAS fanout cables) SAS LTO tape drivers
Max. performance	2000 MB/s
Form factor	1U rackmount
Warranty	2-year standard warranty; optional advanced replacement and five-year warranty available

Supported HPE StoreEver MSL SAS Tape Drives

LTO-7	LTO-8	LTO-9
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Certified HPE StoreEver tape libraries

HPE StoreEver MSL 1/8 Autoloader	HPE StoreEver MSL2024	HPE StoreEver MSL3040	HPE StoreEver MSL6480
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Product information

ATTO XstreamCORE 8100T

XCET-8100-TSO [SFP+]

XCET-8100-TN0 [RJ45]

1m Cable CBL-8079-EX1

3m Cable CBL-8078-EX1

Resources

HPE Interoperability information: [Single Point of Connectivity Knowledge \(SPOCK\) for HPE Storage](#)

[Products—ATTO Technology, Inc.](#)

[How to Buy—ATTO Technology, Inc.](#)

Learn more at

[HPE StoreEver Tape Storage](#)

Visit [HPE GreenLake](#)

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