

ATTO XstreamCORE® ET 8200 Adds Ethernet Connectivity to HPE StoreEver MSL SAS Libraries

HPE has certified the ATTO XstreamCORE ET 8200 for use with StoreEver MSL SAS Tape libraries and autoloaders



HPE and ATTO Tape Solution

ATTO provides a purpose-built solution to add high-speed 10Gb or 40Gb Ethernet connectivity to Hewlett Packard Enterprise (HPE) StoreEver MSL SAS LTO Tape Libraries. ATTO XstreamCORE ET 8200 intelligent bridges allow the remote connection of SAS tape drives over standard Ethernet networks using iSCSI and iSER protocols. When combined with HPE StoreEver MSL scalable tape libraries, users have a solution that provides Ethernet connected LTO tape for long distance networked backup environments.

Market Background

IT departments from all verticals are in need of a long-term archiving solution that is scalable, flexible and cost-effective.

SAS LTO tape drives are scalable and cost-effective, but because they are direct-attached, are not flexible enough for present day, dynamic environments.

Fibre Channel alternatives provide flexibility but add considerable total cost of ownership as a consequence.

Value Proposition

Customers may not be aware there is a solution that adds Ethernet capability to HPE SAS tape libraries. XstreamCORE is HPE approved interoperable solution, listed in HPE's Single Point of Connectivity Knowledge (SPOCK) website.

XstreamCORE ET 8200 takes advantage of existing Ethernet networks allowing customers to use switches and cables they might already own. SAS LTO tape archives would no longer have to remain directly attached to servers, allowing customers to locate those archives nearly anywhere their network reaches.

Additionally, XstreamCORE ET 8200 would make these archives sharable across the network, freeing server resources while adding a completely new level of workflow flexibility and performance.

ATTO XstreamCORE ET 8200 adds Ethernet to SAS Tape Drives

ATTO XstreamCORE is a high-performance protocol bridge that adds shared storage benefits to SAS storage at direct attached speeds. XstreamCORE provides remote access to SAS storage, enabling the movement of tape storage away from computer resources via Ethernet. Optimized for high performance with multiple hardware acceleration engines, XstreamCORE provides industry-leading performance to connect up to 64 servers to 16 tape drives per bridge.

About ATTO

For over 30 years, ATTO Technology, has been a global leader across the IT and media & entertainment markets, specializing in network and storage connectivity and infrastructure solutions for the most data-intensive computing environments. ATTO works with partners to deliver end-to-end solutions to better store, manage and deliver data.

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HPE StoreEver MSL Tape Library

HPE StoreEver MSL Tape Libraries meet the demanding storage requirements of businesses needing unattended tape backup, disaster recovery, or low-cost long-term archive capability. HPE StoreEver can help improve price/performance by moving data that does not require fast access onto the lowest-cost tape tier. For cloud applications and disaster recovery, HPE StoreEver provides offline data protection and securely protects against natural disasters and data corruption. Web-based remote management means StoreEver is easily managed from across the room or across the globe.

Solution Components

- ATTO XstreamCORE® ET 8200 40Gb Ethernet to SAS
- HPE StoreEver MSL family tape library (MSL2024, MSL3040, MSL4048, MSL8048, MSL8096)
- ATTO 1M Cable Breakout External SAS SFF8644 to SFF8088
- ATTO 3M Cable Breakout External SAS SFF8644 to SFF8088

Target Customers

- Those who need who need a flexible archive solution which can be shared over their Ethernet network with a low total cost of ownership (TCO).
- Those who need an archive solution without the additional infrastructure layer of Fibre Channel.
- Those who need an archive solution that can be located somewhere other than in their server rooms.

Customer Pain Points

Pain: Price and accessibility

Solution: The components a customer needs to set up a sharable Ethernet LTO tape archive can be acquired from trusted providers at competitive prices. LTO tape technology is industry tested to provide reliable archiving at affordable prices.

Pain: Flexibility

Solution: Thanks to XstreamCORE, HPE StoreEver MSL Tape Libraries can free up server resources, add sharable tape archives to existing Ethernet fabrics and allow for the physical location of tape hardware nearly anywhere the network is accessible even at long distances.

Pain: Performance

Solution: XstreamCORE ET 8200 supports 4 GB/s when connected using iSER and 2.5 GB/s when connected to iSCSI. Exclusive ATTO data acceleration technology built into XstreamCORE provides better throughput performance than native SAS.

ATTO ET 8200/HPE MSL Differentiators	
Differentiators	Customer Benefits
Ethernet connected LTO tape archive	Ethernet connection means tape archives are sharable across the network and not bound to single servers. This allows server resources to be used for other activities, while enabling new, more efficient archiving strategies. Ethernet also allows tape archives to be physically located nearly anywhere they have access to the network and are not confined to server rooms.
Intelligent hardware bridge	Requires fewer fabric switch ports compared to native Ethernet tape or Fibre Channel tape. The Bridge requires a single 40GbE port to connect up to 16 drives and media changers. Advanced monitoring and management are built in. Performance is better than native SAS thanks to exclusive ATTO SpeedWrite™ technology.
It just works	Engineered to be easy to use. From box to backup in less than 30 minutes. Easy to maintain and reconfigure as necessary.
Tested and certified	ATTO and HPE test and/or certifies interoperability with major operating system and backup software applications.
Support	ATTO and HPE products are highly reliable. ATTO and HPE are known for their world-class support if it is ever needed.


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