SOLUTION BRIEF

ATTO

ATTO XstreamCORE ET 8200

• 40Gb Ethernet to SAS

Benefits

• Long distance backups/restores
• Highly scalable architecture
• Easily share across multiple hosts
• Fewer fabric switch ports required
• Added backup diagnostic capabilities
• Simple setup & configuration
• Negligible added latency

ATTO SKU
XCET-8200-TP2

For More Information
ATTO Sales: +1.716.691.1999
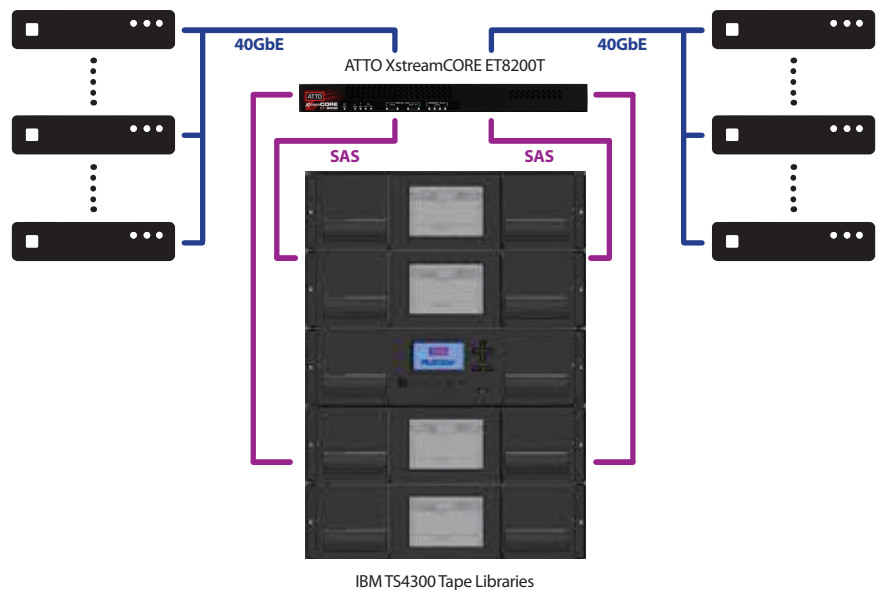www.atto.com/products/storage-controllers

Add Ethernet Connectivity to IBM® Tape Libraries

ATTO has certified a solution that enables data centers to share SAS LTO tape libraries across an Ethernet network using an ATTO XstreamCORE® 8200 intelligent Bridge.

Data centers are experiencing a rapid shift towards Ethernet based storage solutions. The bulk of the data is unstructured data which is more effectively supported by File and Object based Ethernet storage solutions. This, along with the push towards hyper-converged infrastructures, contribute to the transition.

The flexibility of Ethernet, lower cost components and ability to use existing data center infrastructure as well as IT personnel are also driving the push towards Ethernet. This solution allows IT administrators to move forward with greater versatility by designing unique, highly scalable Ethernet-based archival storage architectures.

ATTO XstreamCORE 8200 is a 1U bridge that allows IBM tape libraries to connect to Ethernet networks. Each bridge will allow a maximum of 64 local or remote hosts to connect with up to 16 SAS tape drives using the iSCSI or iSER (iSCSI Extensions for RDMA using RoCE V2) protocols. Easily map tape drives to one or more hosts - and remap if necessary due to failures or maintenance downtime using a command line interface or the ATTO XstreamVIEW™ web based management console. The tape drives respond as if directly connected to the hosts.

40GbE   ATTO XstreamCORE ET8200T   40GbE

SAS   SAS

IBM TS4300 Tape Libraries

IBM

The Power Behind the Storage   +1.716.691.1999 | atto.com

06/04/20

ATTO XstreamCORE intelligent bridges are more than simple protocol converters. ATTO's exclusive xCORE acceleration engine implements the entire TCP/IP stack in hardware without CPU intervention. Designed for deterministic latency, the result is hardware-accelerated iSCSI with less than two microseconds of added latency.

The bridge also includes Advanced Tape Error Recovery technology that works to reduce the impact of tape errors on the completion of backups and restores. Save time and money during installs and troubleshooting with advanced monitoring and diagnostic capabilities. A persistent time-stamped event log can gather over 40,000 software, hardware and network events.

Features	XstreamCORE ET 8200 Tech Specs
Input Connectors	(2) 40GbE QSFP+
Output Connectors	(4) x4 12Gb mini-SAS HD (16 connections)
Network Protocols	iSCSI and iSER (iSCSI Extensions for RDMA using RoCE V2)
SAS Devices Supports	Up to (16) LTO-6, LTO-7 or LTO-8 tape drives
Hosts Supported	Up to 64
Form Factor	1U Rackmount – 1.735"H x 9.90"D x 17.31"W
Power Supplies	Dual hot swap redundant
Serial Management Port	RS-232 or USB
Management Protocols	SSH, SFTP, SNMPv3, SMTP, Redfish/Swordfish
Internet Protocols	IPv4, IPv6, DHCP
Warranty	2 year standard warranty - Optional advanced replacement 5 year

IBM Tape Libraries

The IBM® TS4300 Tape Library is a high-density, highly scalable, easy-to-manage solution designed to keep data securely stored long-term, while helping reduce costs associated with data center space and utilities. Its modular design enables you to increase cartridge and drive capacity as needed – scale vertically up to seven modules with expansion for Linear Tape-Open (LTO) Ultrium cartridges, drives and redundant power supplies.

Absolute reliability, unbeatable economics, scalability and ease of use are the hallmarks of IBM tape storage systems. There is no beating the TCO of tape technology, and with the IBM TS4300 you get the assurance your data is backed by a trusted brand with top of the line technology.