

The ATTO logo consists of the word "ATTO" in a white, sans-serif font, centered within a grey rectangular box. This box is itself centered within a larger red rectangular border.The Quantum logo features the word "Quantum" in a blue, sans-serif font, with a registered trademark symbol (®) to its upper right.

ATTO and Quantum provide a groundbreaking shared storage solution for the high performance market

The Challenge

The media and entertainment industry is undergoing a transformation to all digital content, demanding fast access to SD, HD and 3D content assets for editing and repurposing while the data management and storage infrastructure must also incorporate performance, capacity, and preservation of these digital assets. Digital media professionals are driving the needs for more sophisticated configurations, which require multiple users to share a “pool” of storage for continuous access to large amounts of data.

Today, multiple workstations and servers needing access to storage rely on fragmented storage solutions that don't fulfill the high-availability, high-performance demands of digital media applications in shared SAN environments. Also, storage costs and bandwidth requirements are rising due to the increasing volume of HD content.

The Solution

ATTO Technology's Celerity Fibre Channel Host Bus Adapters with MultiPath Director™ technology, provide a completely redundant, high-performance connectivity solution for workstation and server applications alike to Quantum's StorNext Q-Series storage systems for digital video, content creation and other high performance environments. The Quantum storage systems, along with the StorNext data management software, enables scalable, high-performance shared workflows with cost-effective data management, archiving, and protection.

ATTO's MultiPath Director is the ONLY storage connectivity solution that allows

you to manage multiple paths between Windows®, Linux and Mac® workstations and high-end storage systems. Quantum's StorNext shared SAN file system accelerates business operations by enabling high-performance computing while storing information rapidly and sharing it concurrently across applications running on heterogeneous platforms.

The collaboration of ATTO's Celerity Fibre Channel HBAs with MultiPath Director, Quantum's StorNext File System and Quantum's Q-Series storage systems provide a high-performance workflow solution that keeps digital media content available in real time for multiple users. This allows for significant gains in productivity, minimal downtime, flexibility to choose the workflow applications of choice while achieving high-throughput performance, and uninterrupted access to enterprise-class storage media. This collaboration is the premier choice for reliable SAN connectivity.

Completing the Picture

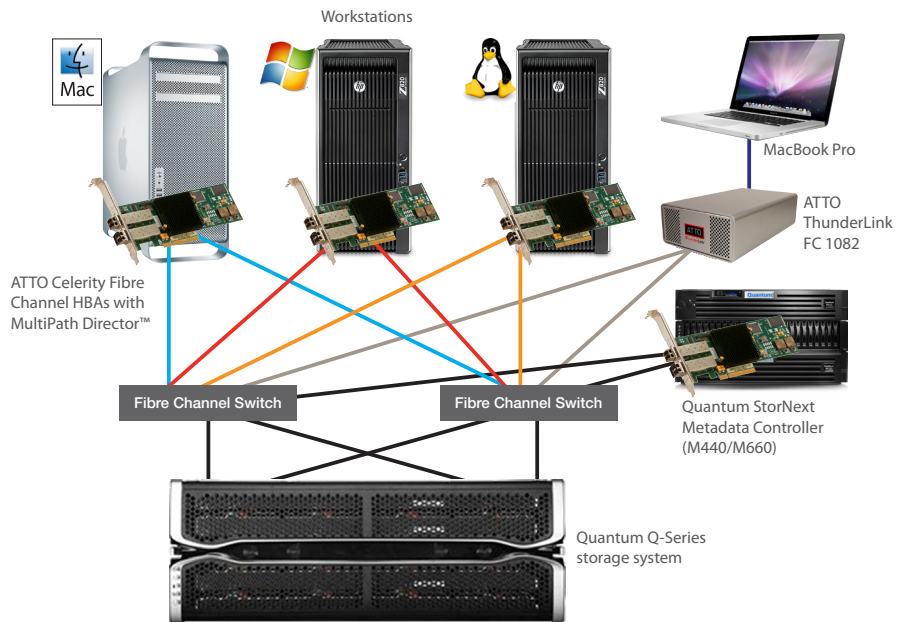
Thunderbolt™ technology increases performance connectivity for laptops and all-in-ones to Quantum storage. ATTO's Thunderbolt enabled Desklink™ Devices convert the Thunderbolt protocol to Fibre Channel, enabling seamless integration of these mobile computer platforms into the existing Fibre Channel SAN. With the same technology and features as ATTO's Celerity Fibre Channel host bus adapters, ATTO's ThunderLink FC 1082 has been tested and certified with Quantum's Q-Series storage, resulting in transfer rates of 720MB/s for writes and over 790MB/s for reads.

Key Features

- High-Availability Storage – Automatic path failover and failback provides uninterrupted access to storage.
- High throughput shared workflow – StorNext File System delivers high-performance file creation, storing and sharing.
- Flexible Connectivity – Simultaneous file access across Windows, Linux and Mac workstations in a heterogeneous environment.
- Tiered Storage and Archive - StorNext Storage Manager drives transparent tiered storage and archive to lower cost storage
- Replication – Enables flexible data protection and data distributing solutions
- Quantum StorNext appliances and primary disk storage make deployment of high-throughput solutions much easier

Solution Benefits

- Superior Performance – Load balancing increases overall system performance by using more than one Fibre Channel path to transfer data.
- Improved Productivity – Workstations can share storage, enabling collaborative workflows and real-time access to content to meet project deadlines.
- Simplified Management – ATTO Configuration Tool simplifies administration, troubleshooting and management of multiple paths to storage.
- Continuous Uptime - Automatic path and storage controller failover and failback provides uninterrupted access to data.
- Connect laptops and all-in-ones into the existing Fibre Channel SAN with ATTO's Thunderbolt™ enabled Desklink™ devices.



ATTO-Quantum Certified Products		
Quantum Products	ATTO Products	
	8Gb/s Celerity Fibre Channel HBAs	ThunderLink FC 1082
StorNext Metadata Controllers		
M440	Windows; Linux	N/A
M660	Windows; Linux	N/A
Primary Storage		
StorNext QD6000	Mac OS X; Windows; Linux	Mac OS X; Windows
StorNext QS2400	Mac OS X; Windows; Linux	Mac OS X; Windows
StorNext QS1200	Mac OS X; Windows; Linux	Mac OS X; Windows
StorNext QX-1200	Mac OS X; Windows; Linux	Mac OS X; Windows
StorNext QX-2400	Mac OS X; Windows; Linux	Mac OS X; Windows

For More Information

- ATTO Products - <http://www.attotech.com/products/>
- Quantum StorNext Q-Series Storage - <http://www.quantum.com/products/BigDataManagement/QSeries/index.aspx>
- List of ATTO Resellers - <http://www.attotech.com/howtobuy/>
- ATTO Sales - +1.716.691.1999
- Quantum Sales - +1-800-677-6268

