

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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About Quantum

Quantum Corp. is a proven global expert in data protection and big data management that provides a unique combination of intelligent storage solutions and unmatched value for traditional, virtual and cloud environments. Quantum StorNext® big data management software and appliances provide high-performance file sharing and archiving for media & entertainment and other industries. Visit www.quantum.com for more information.

ATTO and Quantum

A Groundbreaking Scale-Out 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 2K/4K 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 storage area network (SAN) environments. Also, storage costs and bandwidth requirements are rising due to the increasing volume of HD content.

The Solution

ATTO Celerity™ Fibre Channel host bus adapters (HBAs) with MultiPath Director™, provide a completely redundant, high-performance connectivity solution for workstation and server applications to Quantum StorNext Q-Series storage systems for digital video, content creation and other high performance environments. Quantum StorNext appliances and data management software enables scalable, high-performance shared workflows with cost-effective data management, archiving, and protection.

ATTO MultiPath Director is the ONLY storage connectivity solution that allows you to manage multiple paths between Windows®, Linux and macOS® workstations and high-end storage systems. The Quantum Next shared SAN file system accelerates business operations by enabling high-performance computing, storing information rapidly, and sharing it concurrently across applications running on heterogeneous platforms.

The collaboration of ATTO Celerity Fibre Channel HBAs with MultiPath Director, Quantum StorNext File System and Quantum StorNext appliances and storage disk 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 a workflow applications, while achieving high-throughput performance, and uninterrupted access to enterprise-class storage media. This collaboration is the premier choice for reliable SAN connectivity.

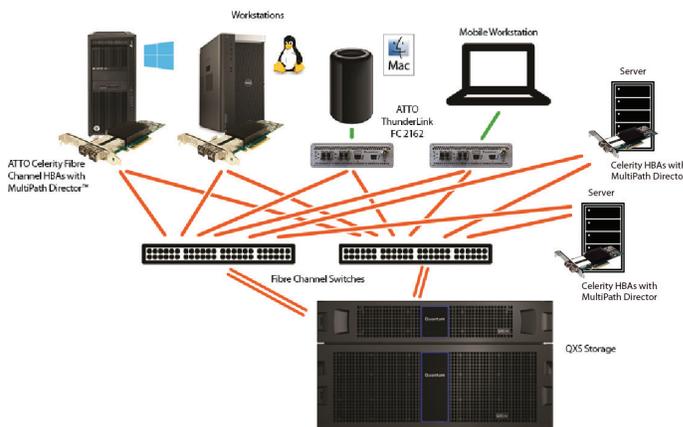


Completing the Picture

Thunderbolt™ technology increases performance connectivity for laptops and all-in-ones to the centralized StorNext storage pool. ATTO Thunderbolt adapters 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 Celerity Fibre Channel host bus adapters, ATTO ThunderLink® FC 2162 has been tested and certified with Quantum Q-Series storage, resulting in transfer rates of over 1300MB/s.

Solution Benefits

- **Superior Performance** - Load Balancing increases overall system performance by using more than one Fibre Channel path of transfer data.
- **Improved Productivity** - Workstations can share storage, enabling collaborative workflows and real-time access to content to meet project deadlines.
- **Simplified Management** - ATTO ConfigTool™ simplifies administration, troubleshooting and management of multiple paths to storage.
- **Continuous Uptime** - Automatic path and intelligent bridge failover and failback provides uninterrupted access to data.
- **Connect Laptops** - All-in-ones into the existing Fibre Channel SAN with ATTO Thunderbolt™ adapters.



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 content 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 transparently tiers and archives data 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.

Quantum Products	ATTO Products	
StorNext Metadata Controllers	Celerity™ Gen 6 32, 16 & 8Gb/s Fibre Channel HBAs	ThunderLink® FC 3162/3322/2162/2082
Xcellis Workflow	Windows®; Linux®	N/A
Architecture Latency	Windows®; Linux®	N/A
Primary Storage	Celerity™ Gen 6 32, 16 & 8Gb/s Fibre Channel HBAs	ThunderLink® FC 3162/3322/2162/2082
QXS-412	macOS®; Windows®; Linux®	macOS®; Windows®
QXS-424	macOS®; Windows®; Linux®	macOS®; Windows®
QXS-456	macOS®; Windows®; Linux®	macOS®; Windows®
QD-7000	macOS®; Windows®; Linux®	macOS®; Windows®

Quantum®

The Power Behind the Storage

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