

ATTO and Quantum High-Performance Solutions for Archiving and Data Protection

FOR MORE INFORMATION

- **ATTO Products**
<http://www.atto.com/products/>
- **Quantum**
<http://www.quantum.com>
- **ATTO Sales**
+1.716.691.1999
- **Quantum Sales**
+1.866.809.5230

ABOUT ATTO TECHNOLOGY

ATTO Technology Inc. is a global leader of storage connectivity and infrastructure solutions for data-intensive computing environments. ATTO provides solutions that help customers store, manage and deliver data more efficiently. Visit www.atto.com/solutions for more information

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. Visit www.quantum.com for more information.

ATTO Technology, Inc., host bus adapters (HBAs) and Thunderbolt™ adapters enable connection to disk and tape devices from servers and workstations. They are engineered for real-time applications and excel in streaming application performance such as tape backup. ATTO Advanced Data Streaming (ADS) Technology ensures low-latency, high-bandwidth connectivity for consistent data transfers. The entire family is also designed to consume up to 70% less power than competitive offerings.

ATTO ThunderLink® devices enable serial-attached SCSI (SAS) and Fibre Channel storage connectivity from Thunderbolt™ enabled hosts adapters. SAS tape drives can be connected to Thunderbolt hosts to provide access for backup software and LTF5 tape applications.

ExpressSAS® SAS/SATA HBAs deliver the fastest available connection to SAS tape. With a full range of port configurations and driver support, easy-to-use features, extensive industry qualifications and support for up to 2048 end devices, ATTO ExpressSAS SAS/SATA HBAs are designed to meet your performance and connectivity needs.

Celerity™ Fibre Channel HBAs meet tomorrow's connectivity needs today. It extends the capabilities of software and hardware, increases overall system performance and drives intelligence all the way to the edge of the storage area networks (SAN). Celerity provides connectivity to Fibre channel tape libraries.

SOLUTION BENEFITS

- **Capacity-on-Demand:** Scale storage quickly, easily and without disruption
- **No Data Dropouts:** ATTO's ADS technology ensures low-latency, highbandwidth connectivity for consistent data transfers
- **Dual Connectivity:** Connect both disk and tape devices using only a single PCIe slot
- **Low Power:** ATTO HBAs consume up to 48% less power than competitive offerings
- **Avoid Downtime:** Quantum iLayer Intelligent Software automates administrative tasks and provides proactive diagnostics
- **Security First:** Tape encryption ensures that your data is protected

ATTO Tested Compatibility with Quantum

Quantum Scalar Tape Libraries	ATTO ExpressSAS 6Gb SAS	ATTO ExpressSAS 12Gb SAS	ATTO Thunderlink adapters FC + SAS	ATTO Celerity 8Gb & 16Gb Gen 5/6 Fibre Channel HBAs
i6000	Mac, Windows, Linux	Windows, Linux	Mac, Windows	Mac, Windows, Linux
i500	Mac, Windows, Linux	Windows, Linux	Mac, Windows	Mac, Windows, Linux
i80	Mac, Windows, Linux	Windows, Linux	Mac, Windows	Mac, Windows, Linux
i40	Mac, Windows, Linux	Windows, Linux	Mac, Windows	Mac, Windows, Linux
i3	Mac, Windows, Linux	Windows, Linux	Mac, Windows	Mac, Windows, Linux
i6	Mac, Windows, Linux	Windows, Linux	-	Mac, Windows, Linux

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KEY FEATURES

- **Active/Active Dual Robots** - Adds a second robot to the library for high availability and faster performance. Operations continue in the event of a robot failure. Robot service is non-disruptive to the application.
- **Capacity-on-Demand Growth** - Simplifies storage growth by scaling quickly, easily and without disruption.
- **iLayer Intelligent Software** - Intelligent software automates administrative tasks, reducing administrative time up to 75% compared to other tape library products.
- **Scalar LTF5** - Appliance that presents tapes as NAS Storage, enabling new ways to manage and access archive files.
- **Advanced Data Streaming™** - Reduces project interruptions by maximizing the number of transactions that can be processed.
- **Heterogenous OS Support** - Compatible with Windows®, macOS®, FreeBSD and Linux® hosts.

THE CHALLENGE

Disk storage capacity requirements for both enterprise and small-to-medium businesses (SMB) are growing at an extraordinary rate. All of that data needs to be backed up and much of it needs to be retained for an extended period to meet regulatory compliance requirements.

The challenge that exists for businesses faced with explosive data growth is to deal with it in an efficient and strategic manner. For enterprises, the key concerns are scale, performance, high availability and security. SMBs, on the other hand, require an entry level back up and archiving solution that's low cost, easy to manage and scalable to meet escalating business demands.

THE SOLUTION

Quantum Scalar line of tape libraries support the long-term storage requirements of both large enterprises and SMBs. At the enterprise level, they provide features such as Active/Active Dual Robots for high availability and faster performance. The entire Scalar family also features capacity-on-demand scalability to enable non-disruptive growth, and iLayer Intelligent Software, which automates administrative tasks and provides proactive diagnostics to avoid downtime. Plus, there's tape encryption to ensure that your data is protected even when it's stored offsite.

