ATTO TECHNOLOGY
TECHNOLOGY BRIEF

Advanced Data Streaming (ADS™) Technology

Latency Management for the Highest Consistency Performance

ATTO's exclusive Advanced Data Streaming (ADS™) technology is a proprietary technology built into ATTO host adapters that is designed to manage latency in high-bandwidth work environments.

ADS provides controlled acceleration of data transfers by utilizing a combination of features to move large amounts of data faster and more efficiently, maintaining the highest consistent performance.

From high I/O transactional applications to large bandwidth real-time streaming, ADS reduces project interruptions by maximizing the number of transactions that can be processed by the CPU, resulting in better overall system performance.

ADS Technology is incorporated into ATTO's Celerity™ Fibre Channel host bus adapters (HBAs) and ExpressSAS® SAS/SATA host and RAID Adapters.

Why ATTO?

Industry's Best Signal Quality

ATTO engineers pay astute attention to the intricacies of signal clarity to ensure smooth and reliable data transfers. For the user, this means the difference between completing projects on time or missing deadlines.

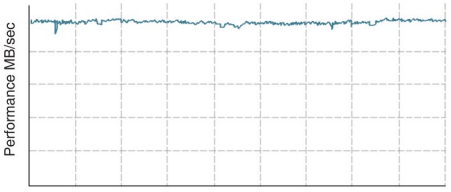
High Performance

Controlling data acceleration and reducing latency means large amounts of data can move faster and more efficiently, which is essential for applications such as digital content creation, prepress, databases, and video/audio streaming.

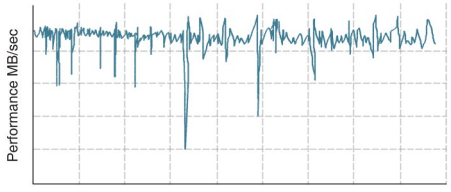
Time-Tested Drivers

With nearly 30 years' of experience designing high performance storage connectivity products, ATTO has a long history of providing stable drivers for Windows®, Linux, Mac® OS and VMware®.

ATTO Products with ADS:
Smooth and Reliable Data Transfers



Competitive Products without ADS:
Disrupted Data Transfers



ATTO's heritage of pioneering solid-state storage technology means that all products are engineered to manage latency in real-time environments:

- Higher application performance = better productivity
- Better transaction processing = faster time to revenue and critical business decisions
- Ability to handle larger workloads and client counts

Key Features

Optimized Driver Algorithms

Many generations of driver codes maximize stability and optimization for workgroup applications.

Bus Mastering

Relieves CPU burden by transferring data directly between ATTO products and system memory.

Tagged Command Queuing

Multiple I/O commands can be processed in any order, improving read and write requests to hard drives.

Disconnect/Reconnect

Eliminates wait time between ATTO products and other devices, enabling dynamic sharing of bus bandwidth.