ATTO Advanced Data Streaming™ Technology

Latency Management for the Highest Consistency Performance

ATTO 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 is incorporated into ATTO Celerity™ Fibre Channel host adapters and ATTO ExpressSAS® SAS/SATA host bus 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 over 30 years of experience designing high performance storage connectivity products, ATTO has a proven history of providing stable drivers for Windows®, Linux®, macOS® and VMware®.

ATTO’s heritage of pioneering solid-state storage technology means that all products are engineered to manage:

- 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.

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