ATTO TECHNOLOGY
TECHNOLOGY BRIEF

ATTO WriteStop™

Ensure Data Security By Blocking Writes to Hard Disks

Related Products

ATTO Technology, Inc. ExpressSAS® 12Gb and 6Gb Host Bus Adapters

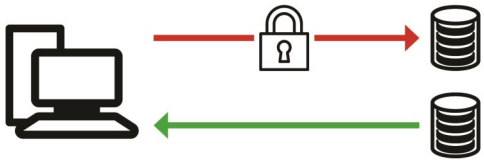
ExpressSAS® 12Gb & 6Gb SAS/SATA host bus adapters (HBAs) leverage the performance and scalability enhancements of Serial Attached SCSI (SAS) technology to deliver the fastest available connection to SAS/SATA storage. They offer a reliable direct-attached storage connectivity solution that is interoperable with a wide range of internal and external disk and tape products

About ATTO Technology, Inc.

For 30 years, ATTO Technology, Inc. has been a global leader across the IT and media & entertainment markets, specializing in storage and network 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. Working as an extension of customer's design teams, ATTO manufactures host and RAID adapters, network adapters, storage controllers, Thunderbolt™ adapters, and software. ATTO solutions provide a high level of connectivity to all storage interfaces, including Fibre Channel, SAS/SATA, iSCSI, Ethernet, NVMe, NVME over Fabrics and Thunderbolt. ATTO is the Power Behind the Storage.

Digital forensics, the scientific recovery and investigation of digital data, is a vital tool for law enforcement as well as corporate security. As more and more information is stored digitally and made publically accessible through various network technologies, opportunities for malfeasance increase dramatically. The most important component of digital forensic investigation is the preservation of evidence. Tainted digital evidence is unusable for criminal investigations, so it's important to lock it down right from the start.

The simple act of connecting a hard disk to a storage adapter leaves digital traces; metadata is written as soon as the connection is made, which will call the veracity of the data into question. Beyond that, making bit-accurate copies of a hard disk or large storage array is a painstaking process. Often, several copies of a hard disk are required so that multiple investigators can work in parallel. Much of the time, this duplication needs to happen in the field since many storage systems are bulky and comprise part of critical business systems that can't be interrupted. The process needs to be fast, portable, repeatable and defensible — in many cases, chain of custody needs to be established, and proof provided that the extracted information hasn't been altered.



Secure Data at the System Level

ATTO ExpressSAS® host bus adapters with WriteStop™ provide a comprehensive digital forensics storage connectivity solution.

- Ingest data from a hard disk while simultaneously preventing writes
- Original data and video on the hard disk remains unaltered when attached to your workstation. This allows a forensics team to create a clone of the disk without disrupting evidence
- Provides read-only protection at the system level. When a hard disk is attached to the host bus adapter's read-only port, data is fully secured and no software or extra hardware is required to provide read-only functionality. Additionally, both read-only and read-write ports are available so you can use the same card to access data and ingest evidence
- More secure and reliable than read-only software that attempts to lock writes through the computer's operating system
- Works seamlessly with all major forensics software packages
- Portable, high-speed duplication with guaranteed media protection
- Customizable storage connectivity settings give field agents greater flexibility

ATTO ExpressSAS HBAs with WriteStop form the core of a digital forensics lab by providing a powerful tool to capture, duplicate and distribute digital evidence. Don't just take our word for it — ExpressSAS HBAs are already used for storage connectivity by several leading digital forensics solutions.