

Related Products

ATTO 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

ATTO Technology 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.attotech.com for more information.

Accelerate Storage Performance with ExpressSAS 12Gb HBAs

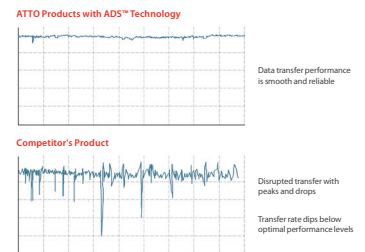
The surveillance industry has surged in recent years. Installations often involve hundreds of IP cameras multicasting high-definition and 4K resolution video for monitoring, recording and analytics. These new developments require high-bandwidth infrastructure solutions — ones that support ultra-high resolution video streams while providing consistent Quality of Service.

ATTO has a 25-plus year history developing high-bandwidth, low-latency network and connectivity solutions for the professional video industry. The same technology advantages that we bring to the broadcast TV and post-production markets are relevant to security and surveillance.

Double the Performance

ATTO ExpressSAS 12Gb SAS/SATA HBAs double the performance over previous generations of HBAs and offer fresh features that improve performance and reliability in video surveillance and analytics applications. They also provide greater flexibility for connecting to storage and improve connection diagnostic capabilities, all while using 40% less power than competing products.

Data transfer rates with ExpressSAS 12Gb SAS/SATA are up to 1200 MB/s for each connection — twice as fast as 6Gb SAS/SATA. Pair this gain with PCIe 3.0 host computer bus speeds, and the adapter is capable of delivering sustained performance of up to 8000 MB/s. Advanced Data Streaming (ADS), a proprietary feature built into ExpressSAS 12Gb host-bus adapters, maximizes CPU processes to deliver smooth and reliable data transfers and the highest consistent performance. That translates to guaranteed camera writes, with all incoming video data available for later review and analysis. ExpressSAS 12Gb HBAs also feature Power Center Pro, an integrated software RAID solution that brings the performance and protection of RAID to attached storage devices.



Advanced Monitoring and Management

12Gb SAS/SATA provides new cabling options through the use of Mini-SAS HD connectors. These new connectors have a smaller footprint and incorporate intelligence in the cabling. Problems related to performance, access errors and latency can all be attributed to intermittent cable issues. When using an ATTO ExpressSAS 12Gb adapter, operators can quickly troubleshoot cable issues: A cable generating errors, or showing a lack of connectivity, is reported to the operating system so the operator can quickly identify and locate it, saving time and money.

ATTO's easy-to-use ConfigTool features an intuitive GUI that simplifies the installation and management of the host bus adapter. It also provides advanced performance tuning capabilities so users have the flexibility to control settings for specific applications.



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

Keep Data Secure

The need for higher stream density and resolution in the surveillance industry has been accompanied by an increased need to retain video data, and in some cases archive it to meet compliance requirements. Video forensics applications also present the need for write-once capability so that "chain of custody" can be established in legal situations. ATTO ExpressSAS HBAs provide connectivity for LTO-6 tape archiving and can also be configured with WriteStop, a unique feature developed specifically for the forensics industry that ensures video evidence is secure by disabling writing at the disk level while retaining read-only capability.