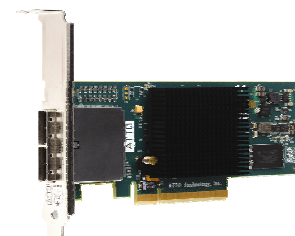




ATTO Technology, Inc.

ATTO ExpressSAS 6-Gigabit Host Adapters



8- and 16-port 6-Gb/sec. SAS/SATA II Host Adapters Featuring ADS™ Technology

Product Features

Blazing Fast Performance

- Up to 6-Gb/sec per port transfer rates with SAS, SATA and SATA II attachment
- Advanced x8 PCIe 2.0 host interface
- Achieve I/O and data throughput necessary for advanced video (uncompressed HD, 2K and 4K film) and transactional database applications

Smooth Data Streaming

- Alleviate data transfer bottlenecks and move data more efficiently while managing latency with ATTO's exclusive ADS™ Technology
- Maximize data flow using the fastest available bus interconnect and bus management technology

One Click Installation

- Save time with factory preset configurations for plug and play operation
- Simplify installation, management and monitoring via included multi-platform configuration utility featuring an intuitive GUI
- BIOS setup utility provides flexibility for custom

As requirements for fast access to storage increase in magnitude with the growing number of applications utilizing rich-media (such as uncompressed HD video and 2K and 4K film), and stringent deadlines remain in place, end-users require faster storage interconnects in order to effectively meet their deadlines.

ATTO's line of ExpressSAS 6-Gb/sec. Host Adapters help users alleviate their performance-related concerns by providing the fastest available connections to SAS/SATA II storage. With options including 4 external/4 internal ports, 8 external ports, 8 internal ports, 16 external ports and 16 internal ports, ATTO ExpressSAS 6-Gb Host Adapters are ideal for a wide variety of IT and digital video environments requiring a high-level of performance.

ATTO ExpressSAS Host Adapter products provide enhanced reliability and performance thanks to ATTO's 20 years of experience with SCSI hardware and storage connectivity solutions. Using the latest PCI Express 2.0 bus technology, ATTO ExpressSAS 6-Gb/sec. Host Adapters deliver blazing fast performance.

ATTO ExpressSAS Host Adapters are engineered for the most stringent IT server and digital media workgroup environments and are compatible with multiple operating systems, applications, and drives.

The included configuration utility simplifies management, monitoring and configuration. ExpressSAS Host Adapters incorporate ATTO's time-tested and field-proven Advanced Data Streaming (ADS™) Technology to meet the most demanding of performance requirements. In addition, ATTO provides industry standard PCIe to SAS control using Serial SCSI Protocol (SSP), Serial ATA Tunneling Protocol (STP), and Serial Management Protocol (SMP).

Technical Highlights

- x8 PCIe 2.0 host interface
- Available in true low-profile form factor
- Connectivity options include:
 - 4 external/4 internal ports
 - 8 external ports
 - 8 internal ports
 - 16 external ports
 - 16 internal ports
- Advanced 6-Gb/sec SAS/SATA throughput
- SAS, SATA and SATA II connectivity
- Supports a maximum 256 SAS/SATA drives
- Exclusive Advanced Data Streaming (ADS™) Technology
- User friendly configuration utility
- Driver support for Windows®, Linux and Mac® OS X
- RoHS Compliant
- 3-year standard

Technical Specification
ExpressSAS 6-Gb Host Adapters

Host Adapter
Preliminary

For More Information:
www.ATTOTech.com
or to Purchase:
www.ATTOSTore.com
(716) 691-1999



ExpressSAS 6-Gb Host Adapters

ATTO Technology, Inc.

6-Gb SAS/SATA II Connectivity

Hardware Specifications																									
Applications	<ul style="list-style-type: none"> Support for IT server and digital media workgroup solutions requiring high-bandwidth and reliability. Applications include audio/video, VOD, fixed content, database and other data intensive environments. 																								
Maximum Transfer Rate	<ul style="list-style-type: none"> Up to 6-Gb/sec per port 																								
Advanced Capabilities	<ul style="list-style-type: none"> Device support for SAS, SAS 2.0, SATA and SATA II User friendly GUI for quick and easy configuration Advanced management functions PC BIOS bootability 																								
PCI Bus Specifications	<ul style="list-style-type: none"> x8 PCI Express 2.0 host interface 																								
Connectors	<ul style="list-style-type: none"> Mini SAS connectors 																								
Software Specifications																									
Driver Support	<ul style="list-style-type: none"> Windows® Server 2003, 2008, XP, Vista Mac® OS X 10.4.x & 10.5.x (8 port cards only) Linux (Red Hat and SuSE) 																								
Agency Approvals (Pending)																									
Safety and Environmental	<ul style="list-style-type: none"> FCC Part 15, Subpart B, Class B EN55022: 2006, Class B EN55024: 1998A + A1: 2001 & A2: 2003 EN60950-1: 2001 EN60825-1: 1994-2: 2004 																								
Compliance	<ul style="list-style-type: none"> RoHS Compliant 																								
Environmental & Physical Specifications																									
Dimensions & Power	<table border="1"> <thead> <tr> <th></th> <th><u>H644</u></th> <th><u>H680</u></th> <th><u>H608</u></th> <th><u>H6F0</u></th> <th><u>H60F</u></th> </tr> </thead> <tbody> <tr> <td>Length</td> <td>5.600"</td> <td>6.600"</td> <td>5.600"</td> <td>6.600"</td> <td>8.638"</td> </tr> <tr> <td>Height</td> <td>2.713"</td> <td>2.713"</td> <td>2.713"</td> <td>4.376"</td> <td>2.918"</td> </tr> <tr> <td>Power (W)</td> <td>8 W</td> <td>8W</td> <td>8W</td> <td>22W</td> <td>22W</td> </tr> </tbody> </table>		<u>H644</u>	<u>H680</u>	<u>H608</u>	<u>H6F0</u>	<u>H60F</u>	Length	5.600"	6.600"	5.600"	6.600"	8.638"	Height	2.713"	2.713"	2.713"	4.376"	2.918"	Power (W)	8 W	8W	8W	22W	22W
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Power (W)	8 W	8W	8W	22W	22W																				
Operating Environment (Pending)	<ul style="list-style-type: none"> Temperature: 0-40° C (32°-104°F) Humidity: 5 - 95% non-condensing 																								
Storage Environment (Pending)	<ul style="list-style-type: none"> Temperature: -40°-70°C (-40°-157°F) Humidity: 5 - 95% non-condensing 																								
Airflow	<ul style="list-style-type: none"> 150 lf/m (min) recommended 																								
Ordering Information																									
Model Number	<ul style="list-style-type: none"> ESAS-H644-000 (4 ports external/4 ports internal) ESAS-H680-000 (8 ports external) ESAS-H608-000 (8 ports internal) ESAS-H6F0-000 (16 ports external) ESAS-H60F-000 (16 ports internal) 																								

