



ATTO Technology, Inc.

# ExpressSAS H30F 16 Port SAS Host Adapter



## 3-Gb SAS/SATA II Connectivity

The ATTO ExpressSAS H30F Host Adapter combines 3-Gb SAS/SATA II connectivity with sixteen internal ports, making it the ideal SAS host adapter for both IT and digital media environments requiring flexible connectivity options and ultimate performance.

The ATTO ExpressSAS host adapter product family provides enhanced reliability and performance thanks to more than 15 years of experience with SCSI hardware and storage connectivity solutions. Using the latest in PCI Express bus technology and an eight internal port configuration, the ATTO ExpressSAS H30F Host Adapter delivers blazing fast performance with transfer rates of up to 3-Gb per second per port.

The ATTO ExpressSAS line of 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.

An easy-to-use utility enables management, monitoring, and configuration. ATTO also incorporates it's field proven Advanced Data Streaming (ADS™) technology to meet the most demanding performance requirements of data intensive applications. 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).

## Product Features

### Blazing Fast Performance

- Up to 3-Gb/sec per port transfer rates with SAS, SATA and SATA II attachment
- Increased bandwidth through x8 PCI Express host interface
- Point-to-point technology delivers full throughput to each connected storage device

### Smooth Data Streaming

- Alleviate data transfer bottlenecks and move data more efficiently while managing latency with ATTO's exclusive ADS™ technology
- Improve I/O through optimized data movement

### One Click Installation

- One-click installation allows for quick and easy set-up
- Simple host based utility for effortless configuration
- BIOS setup utility provides flexibility for custom applications

## Technical Highlights

- x8 PCIe host interface
- Half-height
- 16 internal ports
- Outstanding performance with up to 3-Gb/sec per port
- SAS, SATA and SATA II connectivity
- Support for up to 16 internal direct attached SAS/SATA drives
- Exclusive Advanced Data Streaming (ADS™) technology
- User friendly configuration utility
- Driver support for Windows® and Linux
- RoHS Compliant
- 3-year standard product warranty

Technical Specification  
ExpressSAS H30F Host Adapter

## Host Adapter

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



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## 3-Gb SAS/SATA II Connectivity

Hardware Specifications	
Applications	<ul style="list-style-type: none"> <li>• 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.</li> </ul>
Maximum Transfer Rate	<ul style="list-style-type: none"> <li>• Up to 3-Gb/sec per port</li> </ul>
Advanced Capabilities	<ul style="list-style-type: none"> <li>• Device support for SAS, SATA and SATA II</li> <li>• User friendly GUI for quick and easy configuration</li> <li>• Advanced management functions</li> <li>• Support for SCSI Enclosure Services (SES)</li> <li>• SGPIO Support</li> <li>• PC BIOS bootability</li> </ul>
PCI Bus Specifications	<ul style="list-style-type: none"> <li>• x8 PCI Express host interface</li> <li>• Supports PCI Express Base Spec 1.0a</li> </ul>
Connectors	<ul style="list-style-type: none"> <li>• Easy-to-install low-profile connection bracket; full-height bracket included in Finished Goods packaging</li> <li>• Four x4 Internal Mini SAS (SFF-8087) connectors</li> </ul>
Software Specifications	
Driver Support	<ul style="list-style-type: none"> <li>• Windows® Server 2003, 2008, XP, Vista</li> <li>• Linux (Red Hat and SuSE)</li> </ul>
Agency Approvals	
Safety and Environmental	<ul style="list-style-type: none"> <li>• FCC Rules, Part 15, Class B</li> <li>• CE Mark: CISPR 22:2002/EN55022:2002, Class B</li> </ul>
Compliance	<ul style="list-style-type: none"> <li>• RoHS Compliant</li> </ul>
Environmental & Physical Specifications	
Dimensions	<ul style="list-style-type: none"> <li>• Length 6.600"</li> <li>• Height 2.900"</li> </ul>
Operating Environment	<ul style="list-style-type: none"> <li>• Temperature: 0-60° C (32°-140°F) at 300 lf/m airflow</li> <li>• Temperature 0-40° C (32° - 104°F) at 150 lf/m airflow</li> <li>• Humidity: 5 - 95% non-condensing</li> </ul>
Storage Environment	<ul style="list-style-type: none"> <li>• Temperature: -40°-70°C (-40°-157°F)</li> <li>• Humidity: 5 - 95% non-condensing</li> </ul>
Power	<ul style="list-style-type: none"> <li>• 12V @ 1.45A</li> <li>• 3.3V @ 0.50A</li> </ul>
Ordering Information	
Model Number	<ul style="list-style-type: none"> <li>• ESAS-H30F-000 (RoHS)</li> </ul>



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