



ExpressSAS Host Adapter 6 Gb v1.10 – Windows

1. General Release Information

These product release notes define the new features, changes, known issues and release details that apply to the ExpressSAS Host adapter products v1.10 that was released on 03/24/2009. This information pertains to Windows.

2. Changes

- **Version 1.10 (Released 03/24/2009)**
 - **Note:** It is recommended that firmware dated 2009_03_20 be utilized with this driver release.
 - The following applies to release v1.10
 - **New Features**
 - Added the Device Name field to the SAS Identify Address Frame (an optional field added in SAS 2.0).
 - Resolved an issue during initial device discovery that could result in a driver crash if the device rejects a discovery command.
 - Resolved issues with discovery processing when a discovery command timed out
 - SATA devices behind expanders are no longer reset during discovery
 - Improved SATA NCQ processing so performance is maintained as the queue depth increases
 - Improved port down cleanup to ensure all I/O is completed before destroying devices when multiple ports are instantiated
 - Resolved an issue with SCSI-to-ATA translation of the WRITE AND VERIFY commands that would allow NCQ commands to be started between the write and verify phases
 - Now support SMP API
 - Added timeout processing for commands issued through the SMP API
 - SATA NCQ is disabled in NVRAM by default

- **Version 1.01 (Released 02/18/2009)**
 - **Note:** It is recommended that firmware dated 2009_01_28 be utilized with this driver release.
 - The following applies to release v1.01
 - **New Features**
 - Resolved issues that may cause the driver to crash or hang if a device rejects a discovery command on initial load.
 - Resolved any unexpected target ID changes after a cable pull and reinsertion, when a SATA device is connected behind an expander.

- **Version 1.00 (Released 12/11/2008)**
 - **Note:** It is recommended that firmware dated 2008_12_05 be utilized with this driver release.
 - The following applies to release v1.00
 - **New Features**

- Initial release of ExpressSAS H608 and H680

3. Known Issues/Advisements

- Please refer to the DOS release notes for any known firmware issues.
- SAT exceptions: (SCSI-to-ATA Translation for SATA support). The following SCSI commands are not translated: FORMAT UNIT, REASSIGN BLOCKS, SECURITY PROTOCOL IN, and SECURITY PROTOCOL OUT.

4. Affected Products

Product Name	SKU
ExpressSAS H680 Host Adapter	ESAS-H680-000
ExpressSAS H608 Host Adapter	ESAS-H608-000
ExpressSAS H6F0 Host Adapter	ESAS-H6F0-000
ExpressSAS H60F Host Adapter	ESAS-H60F-000
ExpressSAS H644 Host Adapter	ESAS-H644-000

5. Contacting ATTO Support

ATTO Technology, Inc. is renowned for its technical support services. ATTO's goal is to provide you the quickest response possible for your technical support needs, and is available Monday-Friday, 8:00 AM to 8:00 PM EST (except holidays and plant closings).

ATTO Technical Support can be contacted via phone or email:

- Phone: 716.691.1999 ext. 242
- E-Mail: techsupport@attotech.com