



## ExpressSAS Host Adapter Release v1.12 - Windows®

### 1. General Release Information

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These product release notes define the new features, changes, known issues and release details that apply to the ExpressSAS Host Adapter products v1.12 that was released on 11/18/08. This information pertains to the Microsoft® Windows OS including Windows XP, Vista, Server 2003, and Server 2008 for x86 and x64 platforms.

### 2. Changes

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- **Version 1.12 (Released 11/18/2008)**

- **Note:** It is recommended that firmware dated 2008\_11\_18 be utilized with this driver release.
- The following apply to changes made from v1.10 to v1.12
- **New Features**
  - Implemented support to disable SATA NCQ
  - Implemented support to disable target ID assignment based on SAS address
  - Implemented support for the H3RO
  - Improve discovery processing to ensure discovery is retried when the firmware returns a partial topology
- **Incident Resolutions/Bug Fixes/Changes**
  - In firmware version 2.01 and later, verified the length of writes to correct an issue with ATAPI devices
  - Implemented support to disable target ID assignment based on SAS address
  - Resolved an issue where event log entries during the initial driver load and adapter initialization would always have an adapter number of one

- **Version 1.10 (Released 5/14/2008)**

- **Note:** It is recommended that firmware dated 2008\_05\_09 be utilized with this driver release.
- The following apply to changes made from v1.00 to v1.10
- **New Features**
  - **Added support for ExpressSAS H30F:** With this release, ATTO has released an ExpressSAS H30F Host Adapter model with 16 internal mini-SAS ports for increased connectivity.
  - **Added full support for Server 2008**
- **Incident Resolutions/Bug Fixes/Changes**
  - Support added for ExpressSAS H30F
  - Initialization enhancements incorporated to support transport firmware updates
  - Improved power management functionality
  - Improved handling of event log to prevent logging from being stopped if the buffer became full
  - Enhanced support for applications to perform SMP commands
  - After initial discovery has completed, devices are now presented to the OS in order of ascending SAS address with SMP devices sorted last

- Improved SATA device affiliation behind expanders when devices are moved between two adapters
- **Version 1.00 (Released 10/19/2007)**
  - Initial release for the ExpressSAS H380 and H308 Host adapters

### 3. Known Issues/Advisements

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- In some instances, tape I/O can fail during simultaneous SATA disk I/O and SAS tape I/O.
- When booting off a drive attached to the ExpressSAS host adapter, the system will not automatically power off after entering a state of hibernation. A user can manually power off the system and later resume from hibernation without issue.
- Reference DOS/BIOS and Configuration Tool release notes for additional information

### 4. Affected Products

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Product Name	SKU
ExpressSAS H308 Host Adapter	ESAS-H308-000
ExpressSAS H380 Host Adapter	ESAS-R380-000
ExpressSAS H30F Host Adapter	ESAS-H30F-000

### 5. Contacting ATTO Support

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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:

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