



ATTO Technology, Inc.

Product Release Notes

ExpressSAS 12Gb Host Adapter v1.08 – macOS®

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 **v1.08** that was released on **November 12, 2018**. This information pertains to the following operating systems: macOS 10.11 and later.

2. Changes

- **Version 1.08 (Released (11/12/2018))**
 - **Note:** It is recommended that firmware dated 11/02/2018 be used with this driver release.
 - **New Features, Enhancements and Changes**
 - Added an adaptive device wait NVMRAM setting that extends the device wati time and count until SAS discovery is complete
 - Added a boot device wait NVRAM setting that alters the device wait feature to only wait for boot devices configured by Power Center Pro
 - Enabled Power Center Pro on externally connected drives
 - Added the ability to present the virtual SES device when no devices are attached
- **Version 1.07 (Released (08/22/2018))**
 - **Note:** It is recommended that firmware dated 08/17/2018 be used with this driver release.
 - **New Features, Enhancements and Changes**
 - Fixed an issue with Virtual SES devices not being presented
- **Version 1.06 (Released (04/18/2018))**
 - **Note:** It is recommended that firmware dated 12/01/2017 be used with this driver release.
 - **New Features, Enhancements and Changes**
 - Added support for a new flash bundle format that supports smaller download chunks compatible with the maximum transfer size for the driver
 - Increased I/O resources to improve performance with certain I/O workloads
 - Fixed an issue where attempting to load the driver after the installer completes forced the “System Extensions Blocked” popup to appear when the driver is installed for the first time. The driver will not be loaded without a reboot on subsequent upgrades.
- **Version 1.05 (Released (12/12/2017))**
 - **Note:** It is recommended that firmware dated 12/01/2017 be used with this driver release.
 - **New Features, Enhancements and Changes**
 - Added SMR drive support
 - Added *atlocate*, *atdevinfo* and *atsasinfo* CLI tools
 - Added support for displaying SATA device temperature in *atdevinfo*
 - Added support for *atsasinfo* to replace *atsasphy*
 - Sense data with RECOVERED ERROR sense key is now reported correctly to the OS
 - Changed the method for reporting device changes to macOS
 - Fixed a discovery issue that could cause devices to be blocked from the system
- **Version 1.00 (Released (08/03/2017))**
 - **Note:** It is recommended that firmware dated 5/30/2017 be used with this driver release.
 - **New Features, Enhancements and Changes**

- Initial release of macOS drivers for the ExpressSAS 12Gb host adapters.

3. Known Issues/Advisements

- macOS High Sierra has introduced User-Approved Kernel Extension Loading. For additional information on this update, please visit:
<http://developer.apple.com/library/content/technotes/tn2459>

4. Affected Products

Product Name
ExpressSAS H1280
ExpressSAS H1208
ExpressSAS H120F
ExpressSAS H12F0
ExpressSAS H1244
ExpressSAS H1248

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:

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