



ThunderLink™ SH 1068 Flash Bundle Version 140731

1. General Release Information

These product release notes define the new features, changes, known issues and release details that apply to the ThunderLink SAS Host 1068 Desklink Device flash bundle package which was released on 07/31/14. This information pertains to the flash bundles and BIOS utility associated with the ThunderLink SAS Host products.

2. New Features, Enhancements and Changes

- **Version 140731 (Released 07/31/14)**
 - **New Features, Enhancements and Changes**
 - Incorporate firmware version 1.25.
 - *Note: Firmware does not allow back flashing to versions prior to release v1.25.*
- **Version 140519 (Released 05/26/14)**
 - **New Features, Enhancements and Changes**
 - Incorporate firmware version 1.21.
 - Resolved an issue to allow Thunderbolt technology-enabled laptops, on Windows 8 platform, to enter sleep mode with LTO6 connected to TLSH 1068.
 - Corrected an issue to now allow LTFS volumes to remain mapped after waking up from sleep mode in Windows 8.
- **Version 131028 (Released 10/28/13)**
 - **New Features, Enhancements and Changes**
 - Incorporate firmware version 1.20.
 - Removes devices from the system when the adapter goes degraded.
 - Added new Dynamic Device Discovery feature to more efficiently recognize devices.
 - Resolved a data abort issue after many sleep cycles.
- **Version 130708 (Released 07/17/13)**
 - **New Features, Enhancements and Changes**
 - Incorporate firmware version 1.10.

3. Known Issues/Advisements

- The AJA Video Simulation Performance Test Tool, in OSX, reports performance numbers that are less than the actual performance of the ThunderLink SH 1068 using the default maximum transfer size of 4MB. To resolve this issue, set the maximum transfer size to 1MB or less.
- BRU Producers Edition (versions 3.0.0.73 & 3.0.0.81) will hang during a backup operation with an HP LTO5 SAS Tape Drive on an iMac with OS X Mountain Lion 10.8.X. To resolve this issue, use OS X 10.7.x.
- An LTFS Volume can potentially become corrupted on an LTO tape drive behind the Thunderlink SH 1068 if a Thunderbolt host goes to sleep or hibernates with data in the buffered cache. There are two options to avoid this situation:
 - a. Disable the OS sleep/hibernate mode if LTFS operations are used
 - OR –

- b. If sleep mode is required, go into the LTFS application and set the utility to flush the cache as soon as the OS closes the file (sync_type set to close). This may affect performance.

Note: Please contact ATTO Technical Support if you need additional information or assistance with these configuration suggestions.

4. Affected Products

Product Name	SKU
ThunderLink SH 1068 Desklink Device	TLSH-1068-D00/DE0

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 6:00 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