



ThunderLink™ SH 1068 Release v1.15 - Mac OS® X

1. General Release Information

These product release notes define the new features, changes, known issues and release details that apply to the ThunderLink SH 1068 Desklink Device, version 1.15, which was released on 07/31/14. This information pertains to the Mac OS X platform for Intel® based systems.

2. Changes

- **Version 1.15 (Released 07/31/14)**
 - **Note:** It is recommended that firmware dated 07/31/14 be utilized with this driver release.
 - **New Features, Enhancements and Changes**
 - Added PCIe pause support for Thunderbolt hot plugging in OS X 10.9.
 - Added event logs when the driver resets the firmware to indicate why the driver reset the firmware.
 - Added a service to log all driver output to a file which will be collected by Config Tool diagnostics. The driver name and version are logged on every boot.
 - *Note: The log file is not deleted when the driver is uninstalled.*
 - Driver events are written to the OS X system log. By default, only fatal events are reported.
 - *Note: See the driver readme to change the event log mask to log additional events.*
 - Resolved a leak in the I/O request pool when the driver is unloaded and reloaded within 60 seconds.
 - Speed improvements have been made for application interfaces.
- **Version 1.10 (Released 10/15/13)**
 - **Note:** It is recommended that firmware dated 11/09/12 be utilized with this driver release.
 - **New Features, Enhancements and Changes**
 - Mac OS X Mavericks (10.9) Support.
 - Added support for Frey B3 chips.
- **Version 1.03 (Released 07/08/13)**
 - **Note:** It is recommended that firmware dated 11/09/12 be utilized with this driver release.
 - **New Features, Enhancements and Changes**
 - Corrected improper driver behavior for the condition: device wait time set to 1 or 2 and the device wait count was greater than the number of attached devices.
 - Improved the device scan time for CLI tools.
 - Added support for reading the SAS address of front-end devices.
 - SAS addresses are only fabricated when necessary.
 - Improved event logging during discovery.
- **Version 1.02 (Released 11/12/12)**
 - **Note:** It is recommended that firmware dated 11/09/12 be utilized with this driver release.
 - **New Features, Enhancements and Changes**
 - Initial release for the ThunderLink SH 1068 Desklink device.

- **Supported OS**
 - Mac OS X 10.6.8
 - Mac OS X 10.7
 - Mac OS X 10.8

3. Known Issues/Advisements

- 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