



ATTO Technology, Inc.

Product Release Notes

ThunderLink Fibre Channel 2082 and 2162 Multipath Director Release V2.00– 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 Fibre Channel 2082 and 2162 Desklink Devices version 2.00MP that was released on 06/30/16. This information pertains to Mac OS X. **Note:** It is recommended that latest firmware available on ATTO website be utilized with this driver release.

2. Changes

- **Version 2.00 (Released 06/30/2016)**
 - Added support LU-based multipathing and for configuring an alias for a logical unit or a path's adapter or target port
 - Enhanced saved configurations so more device information is reported when the device is disconnected
 - Additional support by adding path set identifier determination for LSI and NETAPP INF-01-00 storage arrays
 - Improved functionality during multiple, consecutive path failures and when large numbers of LUNs are present
 - Added rotational logging to the event log.
 - Developed enhancements for completion times for failover or discovery
- **Version 1.20MP (Released 01/21/2016)**
 - **New Features/Enhancement**
 - Resolved a connection issue with previous versions of EMC storage
 - Resolved a possible crash when pulling the TB cable.
- **Version 1.15MP (Released 08/06/2015)**
 - **New Features/Enhancement**
 - Adjusted the format of the flash revision to MM/DD/YYYY to conform to other drivers format
 - Added support for the Dot Hill 4854 array.
 - Fixed processing of the max transfer size values set by the Config Tool
 - The dynamic execution throttle minimum value has been increased to account for task set full simulations.
 - The event logging service has been improved to use less system resources
 - Added support for the T10-PI setting in atfcnv.
- **Version 1.10MP (Released 03/25/2015)**
 - **New Features/Enhancement**
 - Applications are allowed to change the path mode from disabled to the default for ALUA devices

- The feature to disable native OS X multipathing now supports ATTO 16Gb controllers in target mode
 - Failback to active/non-optimized paths is performed in the same manner as standby paths by default
 - Added LSI/NetApp INF-01-00 storage array support to use the correct identifiers for path set configuration. As a result, previously saved configurations will no longer be in effect for these arrays. The configuration must be resaved after upgrading to this version
- **Version 1.07MP (Released 01/27/2015)**
 - **New Features/Enhancement**
 - Improved I/O response underrun processing
 - Corrected a resource leak error
- **Version 1.05MP (Released 10/30/2014)**
 - **New Features/Enhancement**
 - Support for Mac OS X 10.10
 - Added support for Quantum StorNext QX series storage.
 - Active/non-optimized paths are activated for I/O in the same manner as standby paths by default.
- **Version 1.00MP**
 - **New Features/Enhancements**
 - Initial release of Mac drivers for the ThunderLink FC 2082/2162.
 - **Supported OS**
 - Mac OS X 10.6.8
 - Mac OS X 10.7
 - Mac OS X 10.8
 - Mac OS X 10.9

3. Known Issues/Advisements

- When interfacing the ATTO ThunderLink 2082 to a 16Gb Fibre Channel switch that uses SFP+ transceivers from Avago (including Avago SPFs re-branded by a switch manufacturer), a link-up delay of up to 60 seconds may be observed if the switch port is set to auto-speed detect. To rectify the delay, set the speed of the interfacing switch port to 8Gb, Avago Part #: 57-000088-01

4. Affected Products

Product Name	SKU
ThunderLink FC 2082	TLFC-2082-D00/DE0
ThunderLink FC 2162	TLFC-2162-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. Please visit <https://www.attotech.com/support/> for hours of operation.

ATTO Technical Support can be contacted via phone or email:

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

