ATTO Technology, Inc.

Product Release Notes

ThunderLink™ FC 2082 and 2162 Release v1.30 – Windows ®

1. General Release Information

These product release notes define the new features, changes, known issues and release details that apply to the ThunderLink FC 2082 and 2162 Thunderbolt Devices, version 1.30, which was released on 09/27/16. This information pertains to Microsoft Windows Operating System including Windows 10.

2. Changes

- ***Version 1.30 (Released 09/30/16)***
    - **New Features, Enhancements and Changes**
        - Optimized default transfer size to improve third party storage controller performance

- ***Version 1.20 (Released 01/21/16)***
    - **New Features, Enhancements and Changes**
        - Updates for events that are logged
        - Resolved an error that could result in an exchange used for a nameserver request completing for a port logged out

- ***Version 1.16 (Released 10/06/15)***
    - **New Features, Enhancements and Changes**
        - Added support for Windows 10

- ***Version 1.15 (Released 08/06/15)***
    - **New Features, Enhancements and Changes**
        - Adjusted the format of the flash revision to MM/DD/YYYY to conform to other drivers format
        - The fully qualified driver version is now displayed in the installer.
        - Made improvements to the target mode auto-logout implementation.
        - Integrated miscellaneous changes and bug-fixes.

- ***Version 1.05 (Released 10/30/14)***
    - **New Features, Enhancements and Changes**
        - Implemented a feature for FCP_RSP underrun only when the FCP_RSP frame indicates that the RSP_INFO data is present
        - Added support for PLOGIs in direct P2P after the initialization sequence is complete.
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- ***Version 1.05 (Released 10/30/14)***
    - **New Features, Enhancements and Changes**
        - Corrected an issue where a cable pull could result in I/O failure with MultiPath Director instead of failing over to an alternate path
        - Address resource and performance issues concerning the number of logins being generated by NPIV ports
        - Address a firmware issue causing an error when two or more NPIV ports are querying a switch.
        - Increase the number of Requests (Registry parameter NumRequests) to 3000.

- ***Version 1.00 (Released 09/02/14)***

- o **New Features, Enhancements and Changes**
    - ▪ Initial release of Windows driver for the ThunderLink FC 2082 and 2162 Desklink Device.
- o Supported OS
    - ▪ Windows 7
    - ▪ Windows 8
    - ▪ Windows 8.1
    - ▪ Windows Server 2008 R2
    - ▪ Windows Server 2012
    - ▪ Windows Server 2012 R2

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