Getting Started Guide

This guide gives you information for installing and configuring your ThunderLink Adapter.

Verifying packaging contents

- Note the serial number of your ThunderLink unit: _____
- AC adapter and power cord
- Getting Started Guide

Note ***ThunderLink Fibre Channel Adapters ship with short-wave SFPs. Gen 6 & 7 Fibre Channel technology necessitates that all optics must be a fully certified ATTO -branded SFP***

CAUTION ***ThunderLink Adapters contain components that are sensitive to electrostatic discharge (ESD). ESD can cause damage to these components. Do not attempt to open the ThunderLink adapter enclosure as it will void your warranty. Always back up your system data before changing or installing any hardware.***

Note ***ATTO ThunderLink Adapters feature a small slot on the right side of the adapter. This is to allow for additional security via Kensington lock.***

Installing the ThunderLink Adapter

CAUTION ***For Windows PC: the Thunderbolt certified adapter driver must be installed before plugging in the adapter for it to function properly. Please follow the Windows instructions under Installing Drivers before proceeding.***

1. Ensure you have the following prerequisites:
   - Thunderbolt technology-enabled host.
   - A Thunderbolt cable.
   - A storage Adapter (Fibre Channel, or Ethernet) cable.
   - Compatible storage (Fibre Channel, or Ethernet).
2. Connect the AC adapter to the ThunderLink and the power cord to a power point.
3. Connect the storage to the ThunderLink to your storage node of switch via the storage adapter cables.
4. Connect your ThunderLink to your laptop or other computing adapter via Thunderbolt cable.

Note ***ATTO Thunderlink Adapter LEDs will illuminate when both the AC adapter and a Thunderbolt technology-enable host are connected.***

Installing Drivers

macOS®

Note ***At this time users cannot see more than 256 LUNs in macOS***

Downloading drivers from the ATTO website

1. Power on your system and log in as a user with proper administrative privileges.
2. Go to www.atto.com.
3. On the main menu, click **Support,** and choose **Software Downloads**.
4. Under the **ATTO Product** tab, choose **ThunderLink Thunderbolt Adapters**.
5. Under the **Product Family** tab, choose select your model.
6. Under the **Operating System** tab, select macOS.
7. Find the entry for the latest driver, and select download.
8. A download window appears. Follow the instructions for downloading the driver.
9. Open the .dmg file, and run the .pkg installer file.

Windows®

Downloading drivers from the ATTO website

1. Power on your system and log in as a user with proper administrative privileges.
2. Go to www.atto.com.
3. On the main menu, click **Support,** and choose **Software Downloads**.
4. Under the **ATTO Product** tab, choose **ThunderLink Thunderbolt Adapters**.
5. Under the **Product Family** tab, choose select your model.
6. Under the **Operating System** tab, select your Windows Operating System.
7. Find the entry for the latest driver, and select download.
8. A download window appears. Follow the instructions for downloading the driver.

Linux

Note ***Newer PCs may ship with UEFI firmware with Secure Boot enabled. With Secure Boot the operating system boot loaders, Linux kernel, and all kernel modules must be signed with a private key and authenticated with a corresponding public key.***

When trying to load an unsigned ATTO driver on a secure boot system, you will see the following error: **modprobe: ERROR: could not insert '<driver-name>': Required key not available** Refer to the Linux driver read me file (readme.html) contained in the driver bundle for instructions on signing and authenticating your ATTO Linux drivers.

1. Power on your system and log in as the root or a user with proper administrative privileges.
2. Go to www.atto.com.
3. On the main menu, click **Support,** and choose **Software Downloads**.
4. Under the **ATTO Product** tab, choose **ThunderLink Thunderbolt Adapters**.
5. Under the **Product Family** tab, choose select your model.
6. Under the **Operating System** tab, select Linux.
7. Find the entry for the latest driver, and select download.
8. Select a download destination to download the ATTO driver .tgz file.
9. Open a terminal window and change directory to the location of the ATTO driver .tgz file.
10. Extract the file using the command **tar -xfz<filename.tgz>**
11. Change the directory created above and run the installer script **./install.s**