



ATTO Technology, Inc.

Product Release Notes

ThunderLink™ NS 1101 and NT 1102 Release v1.21 - 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 NS 1101 and NT 1102 Thunderbolt Desklink Devices, version 1.21, which was released on 04/07/15. This information pertains to the Mac OS X OS X 10.6.8 and later platform for Intel® based systems.

2. Changes

- **Version 1.21 (Released 04/07/15)**
 - **New Features, Enhancements and Changes**
 - Updated the "Use optimized network settings" installer option to work on OS X 10.10 Yosemite
 - Improved performance by adjusting default transmit parameters and packet memory allocation
 - Resolved an issue that could prevent the use of jumbo frames

- **Version 1.15 (Released 12/04/14)**
 - **New Features, Enhancements and Changes**
 - Corrected an issue with transmit handling.

- **Version 1.12 (Released 07/11/14)**
 - **New Features, Enhancements and Changes**
 - Added support for Receive Side Coalescing.
 - Resolved a leak in the I/O request pool when the driver is unloaded and reloaded within 60 seconds.

- **Version 1.11 (Released 05/09/14)**
 - **New Features, Enhancements and Changes**
 - Added an installer option to apply system-wide network tuning settings.
 - Added PCIe pause support for Thunderbolt hot plugging in OS X 10.9.
 - Added support for ThunderLink NS 2102 & NT 2102.
 - Corrected an issue where the link might not come up after an Ethernet cable pull.
 - Added a feature to log all driver output to a file. This file will be collected by Config Tool diagnostics. *Note: The log file will not be deleted when the driver is uninstalled.*
 - Added a feature to write fatal driver events to the OS X system log. *Note: See the driver readme to change the event log mask to log additional events.*

- **Version 1.10 (Released 10/15/13)**
 - **New Features, Enhancements and Changes**
 - Mac OS X Mavericks (10.9) Support.
 - Improved handling of direct attached copper cables.
 - Optimized dynamic interrupt coalescing functionality.
 - Corrected an issue when transmitting data residing in non-aligned memory.

- Corrected an issue when disabling an ethernet interface during periods of high network activity.
 - Improvements have been made so the driver will only deactivate transmit rings that are active.
 - Updated '--m' option to work in OS X 10.7 and later.
 - Improved the chip reset procedure.
- **Version 1.02 (Released 10/08/12)**
 - **New Features, Enhancements and Changes**
 - Improved performance.
 - **Version 1.01 (Released 09/26/12)**
 - **New Features, Enhancements and Changes**
 - Updated the memory allocation for x64 platforms for compatibility with OS X 10.8.2 and later.
 - **Version 1.00 (Released 08/17/12)**
 - **New Features, Enhancements and Changes**
 - Initial release for the ThunderLink NS 1101 and NT 1102 Desklink device.

3. Known Issues/Advisements

- No known advisements.

4. Affected Products

Product Name	SKU
ThunderLink NS 1101 Desklink Device	TLNS-1101-D00/DE0
ThunderLink NT 1102 Desklink Device	TLNT-1102-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