



# Product Release Notes

## ThunderLink™ NS 2101/2102 and NT 2102 Release v2.06 - Mac OS® X

### 1. General Release Information

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These product release notes define the new features, changes, known issues and release details that apply to the ThunderLink NS 2101/2102 and NT 2102 Thunderbolt 2 Desklink Devices, version 2.06, which was released on 10/30/15. This information pertains to the Mac OS X 10.9 and later platform for Intel® based systems.

### 2. Changes

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- **Version 2.06 (Released 10/30/15)**
  - **New Features, Enhancements and Changes**
    - Reduced latency within single packet transmit environments, most commonly found in UDP environments
  
- **Version 2.05 (Released 09/30/15)**
  - **New Features, Enhancements and Changes**
    - Added support for OS X 10.11
  
- **Version 2.00 (Released 06/17/15)**
  - **New Features, Enhancements and Changes**
    - General performance improvements.
    - DCB is no longer supported by default. DCB can be enabled using the atcnavr CLI tool, but enabling DCB disables support for link-level PAUSE.
    - When DCB is disabled, link-level PAUSE is optionally supported.
    - Corrected an issue with chip reset functionality.
    - Expanded support for statistics reported by the atnetstat CLI tool.
    - Added support for disabling Receive Side Coalescing using the atcnavr CLI tool.
    - Added support for fine grained control of interrupt coalescing settings using the atcnavr CLI tool.
    - Added support for changing TSO segment length using the atcnavr CLI tool.
    - Added support for disabling TSO using the atcnavr CLI tool.
    - Added support for adjusting ring buffer lengths using the atcnavr CLI tool.
    - Added support for adjusting transmit queue length using the atcnavr CLI tool.
    - The atnetstat CLI tool is now included in the installer.
    - Adjusted packet memory allocation to improve performance.
    - Adjusted transmit functionality to reduce CPU utilization.
    - Fixed processing of the max transfer size values set by the Config Tool.
    - Fixed flow control and link speed settings viewed using the atcnavr CLI tool to accurately reflect the settings the system is using.
    - SCSI status of task set full and busy are retried infinitely to circumvent OS X handling that can lead to I/O errors.
    - The event logging service has been improved to use less system resources.
  
- **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**
    - Initial release for the ThunderLink NS and NT 2102 Desklink Device.

### 3. Known Issues/Advisements

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- Intermittent performance drops may occur in isolated, high-bandwidth use cases where general IP network traffic is being heavily utilized. Please contact ATTO Support in these situations.

### 4. Affected Products

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Product Name	SKU
ThunderLink NS 2102 Desklink Device	TLNS-2102-D00/DE0
ThunderLink NS 2102 Desklink Device (Low Profile)	TLNS-2102-D01/DE1
ThunderLink NS 2102 Desklink Device	TLNS-2102-D00/DE0
ThunderLink NT 2102 Desklink Device	TLNT-2102-D00/DE0

### 5. Contacting ATTO Support

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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 [attotech.com/support](http://attotech.com/support) for technical support hours.

ATTO Technical Support can be contacted via phone or email:

- Phone: 716.691.1999 ext. 242
- E-Mail: [techsupport@attotech.com](mailto:techsupport@attotech.com)