



ATTO Technology, Inc.

# Product Release Notes

## FastFrame™ 40GbE NIC v1.10 – macOS™

### 1. General Release Information

These product release notes define the new features, changes, known issues and release details that apply to the FastFrame 40GbE v1.10. This information pertains to macOS™ 10.10 and later.

### 2. Changes

- **Version 1.10 (Released 03/30/2018)**
  - **New Features, Enhancements and Changes**
    - Updated transmit functionality to handle transmits in a separate thread.
    - Improved the receive-side polling mechanism.
    - Corrected an issue that could cause packets to be transmitted out of order.
- **Version 1.05 (Released 05/05/2017)**
  - **New Features, Enhancements and Changes**
    - Enabled support for multiple transmit rings.
    - Removed adaptive RX coalescing.
    - Limited the number of segments in Large Receive Offload (LRO) packets to improve efficiency.
- **Version 1.00 (Released 07/13/2016)**
  - **New Features, Enhancements and Changes**
    - Initial release for the FastFrame 40GbE NIC drivers for macOS™

### 3. Known Issues/Advisements

- Transmit performance when the card is used in a Thunderbolt chassis is limited to approximately 18Gb/s even though Thunderbolt 3 should support about 22Gb/s.
- Incoming packets may still occasionally be dropped when under heavy load. Increasing the RX buffer size to 4k and/or disabling interrupt moderation can help with this issue.

### 4. Affected Products

Product Name	SKU
FastFrame NQ41	FFRM-NQ41-000/DA0
FastFrame NQ42	FFRM-NQ42-000/DA0

### 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 8:00 PM EST (except holidays and plant closings).

ATTO Technical Support can be contacted via phone or email:

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