



ATTO Technology, Inc.

# Product Release Notes

## Celerity 16Gb Gen 5 and 16Gb/32Gb Gen 6 Fibre Channel Release v2.05– Mac OS®

### 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 Celerity 16Gb Gen 5 Fibre Channel adapter product and 16Gb/32Gb Gen 6 Fibre Channel adapter product v2.05 that was released on September 20, 2016. This information pertains to the OS X® 10.9 and later, as well as macOS Sierra.

### 2. Changes

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- **Version 2.05 (Released 09/20/2016)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - **New Features/Enhancements**
    - Added support for macOS Sierra
    - Added '-t <number>' option to system NVRAM parameters to change the number of targets.
  
- **Version 2.00 (Released 6/30/2016)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - **New Features/Enhancements**
    - Added support for Celerity Gen 6 16Gb/32Gb FC adapters
  
- **Version 1.45 (Released 1/21/2016)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - **New Features/Enhancements**
    - Maintenance release of Mac OS drivers
  
- **Version 1.40 (Released 8/06/2015)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - **New Features/Enhancements**
    - Added support for 10.11
    - Improved system resource utilization when using event logging services
    - Addressed OSX handling issue that could lead to I/O errors
    - Implemented T10-PI management improvements
    - Fixed a max transfer size processing issue
  
- **Version 1.35 (Released 3/16/2015)**
  - **Note:** It is recommended that firmware dated 03/16/2015 be utilized with this driver release.
  - **New Features/Enhancements**
    - Addressed an event logging issue.
    - Addressed a timing issue when mounting volumes.
    - Fixed an issue of seeing LUNs in a direct attached environment.

- **Version 1.31 (Released 1/27/2015)**
  - **Note:** It is recommended that firmware dated 08/14/2014 be utilized with this driver release.
  - **New Features/Enhancements**
    - Fixed a resource leak issue.
    - Addressed an I/O response underrun
  
- **Version 1.30 (Released 10/30/2014)**
  - **Note:** It is recommended that firmware dated 08/14/2014 be utilized with this driver release.
  - **New Features/Enhancements**
    - Added support for Mac OS X 10.10
    - Addressed a firmware issue causing an error when querying a switch
    - Corrected an issue where HBAs failed to properly recover from a controller reset.
  
- **Version 1.25 (Released 08/28/2014)**
  - **Note:** It is recommended that firmware dated 08/14/2014 be utilized with this driver release.
  - **New Features/Enhancements**
    - Enhanced diagnostic capabilities with improved event logging
    - Improved CLI management capabilities
    - Added support for atreset
    - Added support for device display in atinfo
    - Addressed a potential kernel panic when drivers run out of IO resources
    - Addressed a potential kernel panic when a FC ThunderLink is present
  
- **Version 1.20 (Released 03/27/2014)**
  - **Note:** It is recommended that firmware dated 12/02/2013 be utilized with this driver release.
  - **New Features/Enhancements**
    - Corrected issue with Execution Throttle that could prevent I/O from being started.
  
- **Version 1.15 (Released 02/06/2014)**
  - **Note:** It is recommended that firmware dated 12/02/2013 be utilized with this driver release.
  - **New Features/Enhancements**
    - Added PCIe pause support for Thunderbolt hot plugging in OS X 10.9.
  
- **Version 1.10 (Released 10/15/2013)**
  - **Note:** It is recommended that firmware dated 4/10/2013 be utilized with this driver release.
  - **New Features/Enhancements**
    - Mac OS X Mavericks (10.9) Support.
    - Increased the maximum supported targets from 256 to 512.
    - Corrected an issue with read commands that falsely complete with a GOOD SCSI status.
  
- **Version 1.02 (Released 4/17/2013)**
  - **Note:** It is recommended that firmware dated 4/10/2013 be utilized with this driver release.
  - **New Features/Enhancements**
    - Implemented improvements for SAN Boot
    - Updated "--m" options for OS X 10.7 & later
  
- **Version 1.01 (Released 1/15/2013)**
  - **Note:** It is recommended that firmware dated 11/08/2012 be utilized with this driver release.
  - **New Features/Enhancements**
    - Changed the default Execution Throttle to 255 (disabled)
    - Implemented interrupt coalescing
    - Fixed event Log messages so lost frames report with the correct error code
    - Corrected an issue that could result in devices not being found after waking from sleep
  
- **Version 1.00 (Released 11/08/2012)**
  - **Note:** It is recommended that firmware dated 11/08/2012 be utilized with this driver release.
  - **New Features/Enhancements**
    - Initial release of Mac drivers for the Celerity 16Gb FC adapters

### 3. Known Issues/Advisements

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- Multiple direct connections to a Xyratex drive array do not work.
- Celerity quad-channel (FC-164E) is not support on Mac OS.

### 4. Affected Products

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Product Name	SKU
Celerity FC-161E	CTFC-161E-000
Celerity FC-162E	CTFC-162E-000
Celerity FC-164E	CTFC-164E-000
Celerity FC-161P	CTFC-161P-000
Celerity FC-162P	CTFC-162P-000
Celerity FC-164P	CTFC-164P-000
Celerity FC-321E	CTFC-321E-000
Celerity FC-322E	CTFC-322E-000

### 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, 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:

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