



## 8Gb Celerity Fibre Channel Release v2.56 – 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 Celerity 8Gb Fibre Channel adapter product v2.56 that was released on 05/09/2016. This information pertains to Mac OS X operating systems.

### 2. Changes

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- **Version 2.56 (Released 05/09/2016)**
  - **New Features/Enhancement**
    - Corrected an issue with Reinstate Recovery Qualifier not being properly rejected when sent by a target to the adapter.
  
- **Version 2.55 (Released 01/21/2016)**
  - **New Features/Enhancement**
    - Enhanced event log messages for temperature events.
  - **Supported OS**
    - Mac OS X 10.7
    - Mac OS X 10.8
    - Mac OS X 10.9
    - Mac OS X 10.10
    - Mac OS X 10.11
  
- **Version 2.50 (Released 8/06/2015)**
  - **New Features/Enhancement**
    - 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
  - **Supported OS**
    - Mac OS X 10.6
    - Mac OS X 10.7
    - Mac OS X 10.8
    - Mac OS X 10.9
    - Mac OS X 10.10
    - Mac OS X 10.11
  
- **Version 2.45 (Released 3/16/2015)**
  - **New Features/Enhancement**
    - Fixed an issue with discovery with a Cisco switch
  - **Supported OS**
    - Mac OS X 10.6
    - Mac OS X 10.7
    - Mac OS X 10.8
    - Mac OS X 10.9
    - Mac OS X 10.10

- **Version 2.40 (Released 10/30/2014)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - The following apply to driver 2.40
  - **New Features/Enhancements**
    - Added support for Mac OS X 10.10
    - Fixed a fabric discovery issue.
  
- **Version 2.35 (Released 08/28/2014)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - The following apply to driver 2.35
  - **New Features/Enhancements**
    - Enhanced diagnostic capabilities with improved event logging
    - Added support for atreset
    - Added support for device display in atinfo
    - Fixed a memory leak issue
  
- **Version 2.30 (Released 03/27/2014)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - The following applies to changes made from driver v2.25 to v2.30
  - **New Features/Enhancements**
    - Corrected issue with Execution Throttle that could prevent I/O from being started
  
- **Version 2.11 (Released 4/17/2013)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - The following applies to changes made from driver v2.10 to v2.11
  - **New Features/Enhancements**
    - Updated “—m” option for OS X 10.7 & later.
  
- **Version 2.10 (Released 3/7/2013)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - The following applies to changes made from driver v2.03 to v2.10
  - **New Features/Enhancements**
    - Added support for Execution Throttle.
    - Task Management handling has been improved.
    - Improved PCI error interrupt processing.
  
- **Version 2.03 (Released 10/11/2012)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - The following applies to changes made from driver v2.02 to v2.03
  - **New Features/Enhancements**
    - Added support to function on PowerPC systems.
    - Updated the memory allocation for x64 platforms for compatibility with OS X 10.8.2 and later.
  
- **Version 2.02 (Released 7/25/2012)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - The following applies to changes made from driver v2.01 to v2.02
  - **New Features/Enhancements**
    - Mac OS X Mountain Lion (10.8) Support.
    - This driver version does not support OS X Tiger (10.4), or earlier.

- **Version 2.01 (Released 4/23/2012)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - The following applies to changes made from driver v2.0 to v2.01
  - **New Features/Enhancements**
    - Corrected incompatibility with certain other devices running in Point-to-Point where the 8xEN would reject the FLOGI because the Class 3 Parameters were not filled in.
    - Corrected an issue in which setting a saved multipathing configuration could fail when the device is not configurable.
    - Added a workaround for devices that report improper Inquiry data such that OS X finds LUNs that do not exist. These LUNs were displayed in the Configuration Tool as “LUN ??”.
    - Corrected several crashes and hangs that could occur during Thunderbolt hot plugging.
  
- **Version 2.0 (Released 2/2/2012)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - The following applies to changes made from driver v1.44 to v2.0
  - **New Features/Enhancements**
    - Added MSI protocol support for 64-bit platforms.
    - Feature enhancement related to report errors and operation in degraded mode.
    - Thunderbolt hot plugging is supported.
  - **Supported OS**
    - Mac OS X 10.4.2 and later for PowerPC systems
    - Mac OS X 10.4.7 and later for Intel systems
    - Mac OS X 10.5
    - Mac OS X 10.6
    - Mac OS X 10.7
  
- **Version 1.44 (Released 7/29/2011)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - The following applies to changes made from driver v1.35 to v1.44
  - **New Features/Enhancements**
    - Unavailable paths can be discovered when they become available again by rescanning.
  
- **Version 1.43 (Released 6/10/2011)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - The following applies to changes made from driver v1.35 to v1.43
  - **New Features/Enhancements**
    - Added a property to enable the driver in Thunderbolt topologies.
    - This version is included on the Mac OS X 10.7 (Lion) DVD.
  - **Additional OS Support**
    - Mac OS X 10.7 (Lion)
  
- **Version 1.35 (Released 7/30/2010)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - The following applies to changes made from driver v1.34 to v1.35
  - **New Features/Enhancements**
    - Added support for T10-DIF
      - T10-DIF support in 8Gb Celerity is always enabled.
      - T10-DIF support implies that the driver will detect if a disk drive is formatted for T10-DIF. Upon detection of T10-DIF, the driver will automatically generate the DIF field on the writes, and check it on the reads.
      - This feature does not provide a mechanism to format the drive
    - Feature improvement related to interoperability.

- **Version 1.34 (Released 6/25/2010)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - The following applies to changes made from driver v1.31 to v1.34
  - **New Features/Enhancements**
    - Provided solution for OS X to rescan the device for logical unit changes
    - The OSX command retry count changed to one instead of zero
    - The SCSI parity errors will be retried.
    - Resolved a possible issue where interrupts would no longer be processed after a chip reset.
    - Resolved a possible issue where FC exchanges could be lost after a port down event
  
- **Version 1.31 (Released 1/13/2010)**
  - **Note:** It is recommended that the latest flash bundle available on ATTO website be utilized with this driver release.
  - The following applies to changes made from driver v1.20 to v1.31
  - **New Features/Enhancements**
    - Sense data with a sense key of Recovered Error is converted to successful command completion
    - The driver will wait up to 5 seconds for the system NVRAM options to become available to load advanced driver options
    - Resolved a possible crash in Snow Leopard if highly fragmented or very large amount of memory is in use
  
- **Version 1.20 (Released 5/20/2009)**
  - **Note:** It is recommended that firmware dated 091119 be utilized with this driver release.
  - The following apply to driver v1.20
  - **New Features/Enhancements**
    - Updated the Uninstall.command script to display “Permission denied” when the sudo password is incorrect or blank. Note that the script will not work when the account has no password. See <http://support.apple.com/kb/TA25121>
    - Integrated TSDK 6.10
    - Auto topology now gives P2P a little more preference
    - A workaround was incorporated to accommodate a switch that was improperly assigning Area and Domain to certain Port IDs
    - The default Interrupt Coalescing setting is now None
  - **Additional OS Support**
    - Mac OS X 10.6 (Snow Leopard)
  
- **Version 1.0 (Released 8/26/2008)**
  - **Note:** It is recommended that firmware dated 8/26/08 be utilized with this driver release.
  - The following apply to driver v1.00
  - **New Features/Enhancements**
    - Initial release of Mac drivers for the Celerity 8Gb FC adapters
  - **Supported OS**
    - Mac OS X 10.4.2 and later for PowerPC systems
    - Mac OS X 10.4.7 and later for Intel systems
    - Mac OS X 10.5

### 3. Known Issues/Advisements

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- “Deep” sleep is supported only on Intel Macs. PowerPC Macs will sleep, but not “deep” sleep, so the sleep light will not pulsate. As a result, when PowerPC systems are put to sleep, the fan speed will increase to the max until the system is awakened.

### 4. Affected Products

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<b>Product Name</b>	<b>SKU</b>
Celerity FC 81EN	CTFC-81EN-000
Celerity FC 82EN	CTFC-82EN-000
Celerity FC 84EN	CTFC-84EN-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. Please visit <https://www.attotech.com/support/> for hours of operation.

ATTO Technical Support can be contacted via phone or email:

- Phone: 716.691.1999 ext. 242
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