![ATTO Technology, Inc.]

Product Release Notes

Celerity Fibre Channel BIOS Config Release 180130

1. General Release Information

These product release notes define the new features, changes, known issues and release details that apply to the Celerity 16Gb Fibre Channel Host Adapter flash bundle package, version 180130, which was released on 1/31/2018. This information pertains to the flash bundles and BIOS utility associated with the Celerity 16Gb Fibre Channel product.

2. Changes

- ***Version 180130/BIOS v1.26/EFI v1.11 (Released 1/31/2018)***
  - **New Features, Enhancements, and Changes**
    - Updated firmware version

- ***Version 171213/BIOS v1.26/EFI v1.11 (Released 12/18/2017)***
  - **New Features, Enhancements, and Changes**
    - Updated firmware to latest available version

- ***Version 160622/BIOS v1.25/EFI v1.10 (Released 06/30/2016)***
  - **New Features, Enhancements, and Changes**
    - Added support for Celerity Gen 6 16Gb/32Gb FC adapters

- ***Version 160126/BIOS v1.21/EFI v1.05 (Released 05/09/2016)***
  - **New Features, Enhancements, and Changes**
    - Fixed a Configuration Utility launching issue

- ***Version 160122/BIOS v1.20/EFI v1.05 (Released 01/27/2016)***
  - **New Features, Enhancements and Changes**
    - Added support for FreeBSD OS

- ***Version 150803/BIOS v1.20/EFI v1.05 (Released 08/12/2015)***
  - **New Features, Enhancements and Changes**
    - Addressed an EFI driver image issue
    - EFI driver now supports UEFI Secure Boot
    - Resolved several Mailbox Command error
    - Improved clarity of semapor error messages
    - Added T10-PI Enable/Disable functionality
    - Added identifiers for SES devices

- ***Version 150316/BIOS v1.15/EFI v1.01 (Released 03/16/2015)***
  - **New Features, Enhancements and Changes**
    - Resolved a Mailbox Command error
    - Fixed a problem where the Config utility would occasionally be entered on a warm boot.

- ***Version 140810/BIOS v1.10/EFI v1.01 (Released 08/28/2014)***
  - **New Features, Enhancements and Changes**
    - Addressed a BIOS loading issue in certain Intel motherboard environments
    - Made enhancements for data link management

- ***Version 131202/BIOS v1.02/EFI v1.01 (Released 02/06/2014)***
  - **New Features, Enhancements and Changes**

- Corrected a double mailbox command completion problem.
- Resolved a mailbox error when assigning addresses above 4G.

- ***Version 130410/BIOS v1.02/EFI v1.01 (Released 4/17/2013)***
  - **New Features, Enhancements and Changes**
    - Resolved a hang issue related to the timer function.

- ***Version 121108/BIOS v1.01/EFI v1.01 (Released 11/08/2012)***
  - **New Features, Enhancements and Changes**
    - The Legacy BIOS driver has been added.
    - The Port Database is now sorted so devices appear in the same Target ID order each time the system is booted.
    - Enhancements have been made to bump the advertised PCIe speed capability back up to Gen 3 if it had been lowered by placing the card in another platform.***Version 120924/BIOS v1.0/EFI v1.0 (Released 9/24/2012)***
  - **New Features, Enhancements and Changes**
    - Initial release for the FC-161E and FC162E.

3. Known Issues/Advisements

- If the card is placed in certain slots of an Intel Grosse Point machine, the system will not boot.
- The system will not boot if the card is placed in an MSI GD80 motherboard and the System BIOS PCI ROM Priority is set for EFI Compatible ROM. The System BIOS is trying to run both the EFI and Legacy BIOS at the same time. To work around this issue, set the System BIOS PCI ROM Priority setting to Legacy ROM.
- 164E is not support in Mac OS X

4. Affected Products

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

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