



ATTO Technology, Inc.

# Product Release Notes

## Celerity 16Gb Fibre Channel Release v1.02 - Windows

### 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 Fibre Channel adapter product v1.02 that was released on 1/15/2013. This information pertains to the Windows XP, Vista, 7, 8, Server 2003, 2008, 2008 R2 and 2012 OS.

### 2. Changes

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- **Version 1.02 (Released 1/15/2013)**
  - **Note:** It is recommended that firmware dated 11/08/2012 be utilized with this driver release.
  - The following apply to driver v1.01
  - **New Features**
    - Added support for the quad port Celerity 16Gb Fibre Channel Host Adapter (164E)
    - Changed the default Execution Throttle to 255 (disabled)
    - Implemented interrupt coalescing
    - Implemented NPIV for Windows 2008 and later
    - Data transfer errors no longer cause the command to be aborted without allowing the upper layer to send a response in Target Mode
    - Fixed event Log messages so lost frames report with the correct error code
    - Code that set the Disable Laser GPIO pin to a known state was removed because it seemed to be causing a laser TX\_FAULT to occur when coming out of sleep
  
- **Version 1.01 (Released 11/8/2012)**
  - **Note:** It is recommended that firmware dated 11/08/2012 be utilized with this driver release.
  - The following apply to driver v1.01
  - **New Features**
    - SAN Boot is now supported
    - T10 DIF now can be enabled in Windows
    - Fibre Channel Link Down Timeout is now operational
    - The Port Database is now sorted so devices show up in the same order across reboots
    - Enhanced the PCIe speed capability back up to Gen 3 if it had been lowered by placing the card in another platform
    - Addressed an unexpected driver removal when in loop mode
    - Fixed an issue where the HBA API Get Port Stats would hang
  - **Supported OS**
    - Windows 8 (x86, x64)
    - Windows 7 (x86, x64)
    - Windows Vista (x86, x64)
    - Windows XP (x86, x64)
    - Windows Server 2012 (x86, x64)
    - Windows Server 2008 R2 (x86, x64)
    - Windows Server 2008 (x86, x64)
    - Windows Server 2003 (x86, x64)

- **Version 1.00 (Released 9/28/2012)**
  - **Note:** It is recommended that firmware dated 9/24/2012 be utilized with this driver release.
  - The following apply to driver v1.00
  - **New Features**
    - Initial release of Windows drivers for the Celerity 16Gb FC adapters
  - **Supported OS**
    - Windows 8 (x86, x64)
    - Windows 7 (x86, x64)
    - Windows Vista (x86, x64)
    - Windows XP (x86, x64)
    - Windows Server 2012 (x86, x64)
    - Windows Server 2008 R2 (x86, x64)
    - Windows Server 2008 (x86, x64)
    - Windows Server 2003 (x86, x64)

### 3. Known Issues/Advisements

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- When connecting directly to a disk drive while the topology is set to P2P Preferred (or AL preferred) the device may not be found with auto-topology. If this happens adjust topology setting.
- Arbitrated Loop is not support by the 16Gb Fibre Channel - the industry specification has not been finalized.
- The minimum requirement for StorPort drivers is Windows XP or 2003 SP2.
- An Unsigned Driver warning will appear when installing on Vista and 2008. This is expected behavior as Microsoft has not issued a Windows Update with their latest Root Certificate. Subsequent installs should not produce the warning.
- Under some conditions drives may not reappear after returning from sleep.
- Multiple direct connections to a Xyratex drive array do not work.
- If the system will not boot in a MSI 277A-GD80 motherboard and the System BIOS PCI ROM Priority is set for EFI Compatible ROM, set the System BIOS PCI ROM Priority setting to Legacy ROM.
- System will not boot when card is installed in an Intel Grosse Point machine.

### 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 |

### 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)