



ATTO Technology, Inc.

Celerity Fibre Channel Host Adapter Getting Started Guide

Thank you for purchasing the ATTO Celerity FC Host Adapter. This guide gives you the basics for installing and configuring your adapter. For more information, refer to the

Celerity Installation and Operation Manual and the ATTO Utilities Manual.

Ensure you have the equipment and software you need for the installation:

- Celerity FC adapter
- A computer with an available PCIe, PCIe 2.0 or PCIe 3.0 expansion slot
- Storage, cables and connectors

Installing the Latest Celerity 16Gb or 8Gb Drivers

- 1 Please visit the ATTO website at <https://www.attotech.com/>
- 2 Select Downloads tab.
- 3 For returning customers login by entering your username and password. For new users please register to create login.
- 4 Select Product: Click on Fibre Channel HBAs
- 5 Select Model: Click on 16Gb Celerity HBAs or 8Gb Celerity HBAs

Install Drivers

Configure your system to recognize and use your Celerity adapter by installing drivers for your operating system.

Windows

- 1 Power on your system and log in as the administrator or a user with proper administrative privileges.
- 2 Go to the ATTO website and login as described in the Installing Celerity 16Gb or 8Gb Drivers section

- 3 Click on Windows. This will display the most current Windows drivers available.
- 4 Click on Windows XX Driver link based on the operating system (x86 or x64) in use. If you are unsure which version you are using, please contact your system administrator.
- 5 Open the download link and click run.
- 6 Follow the on-screen instructions to complete the driver installation.



Note

WHQL Certified Drivers are available for select Celerity Fibre Channel HBAs. If available, these drivers will be listed below the default Windows drivers.

OS X

Support for all Celerity FC models except 164E

- 1 Power on your system and log in as the administrator or a user with proper administrative privileges.
- 2 Go to the ATTO website and login as described in the Installing the Latest Celerity 16Gb or 8Gb Drivers section.
- 3 Click on Mac. This will display the most current Mac OS X drivers available.
- 4 Click on the Mac OS X Driver link based on the operating system in use. If you are unsure which version you are using, please contact your system administrator.
- 5 Open the download.
- 6 Launch the installer package.

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7 Follow the on-screen instructions.

Linux



Note

Note: These steps assume a basic knowledge of Linux terminal commands. You must also have the correct kernel source files for the appropriate kernel already installed.

- 1 Power on your system and log in as the administrator or a user with proper administrative privileges.
- 2 Go to the ATTO website and login as described in the Installing the Latest Celerity 16Gb or 8Gb Drivers section.
- 3 Click on Linux. This will display the most current Linux drivers available.
- 4 Click on Linux XX Driver link based on the operating system in use. If you are unsure which version you are using, please contact your system administrator.
- 5 Copy the .tgz file to a temporary folder.
- 6 Open a terminal window and change to the location of copied tgz from step 5.
- 7 Extract the file using the command **tar -xzf <filename.tgz>**.
- 8 Change to the directory created above then run the installer script **./install.sh**.
- 9 Click on Y to load driver.
- 10 Click on Y to install CLI tools.
- 11 Confirm location.

VMware (ESXi 5.x/6.0)



Note

*Note: ESXi 5.0 & later: 8Gb Celerity support
ESXi 5.1 & later: 16Gb Celerity support*

- 1 Download the correct Driver Bundle from the VMware or ATTO website.
- 2 Within the bundle unzip the Driver VIB file (.vib) for your ATTO Adapter.
- 3 Use the Datastore Browser in the vSphere Client to upload the VIB file to your ESXi host.
- 4 Log in to the ESXi host on the Local Tech Support Console (ESXi), or through an SSH client.
- 5 Install the VIB using the following command on the ESXi host: **# esxcli software vib install -v <full path to VIB file>**
- 6 Once the VIB is installed, reboot the ESXi host

FreeBSD



Note

Refer to the Celerity Installation and Operation Manual for instructions on installing FreeBSD drivers

Installing the ATTO ConfigTool

The ATTO ConfigTool is a free utility. Visit the ATTO website (www.attotech.com/downloads.php) for specific operating system support information and downloads.

The ATTO ConfigTool includes two components: a GUI Application and a system service. Either, or both, of these components can be installed on a host, depending on the functionality desired. Refer to the Utilities manual for additional details.



Note

Logging and other important features are only available if the ATTO ConfigTool service is installed. We recommend installing the service as a minimum configuration.



Note

The vConfigTool supports VMware VCenter Server. Refer to the ATTO website for information on downloading and using this free utility.

Windows Installation Instructions:

- 1 Double-click the win_app_configtool_xxx.exe package file
- 2 Click "Unzip" to extract the installer files. The files are put in "C:\ATTO\ConfigTool\4.xx" directory.
 - 2.1 To install the **Full Application** or **Application Only**:
 - Navigate to the "C:\ATTO\ConfigTool\4.xx\Service" directory
 - Double-click on the ConfigTool_xxx.exe installer executable
 - Select **Full Installation** or **Application Only** as desired.
 - Follow the on-screen instructions
 - 2.2 To install the **System Service** only:
 - Navigate to the "C:\ATTO\ConfigTool\4.xx\Service" directory
 - Double-click on the "attocfgd.msi" installer executable
 - Follow the on-screen instructions

OS X Installation Instructions:

- 1 Double-click the osx_app_configtool_xxx.exe package file.
- 2 A Finder window appears.
 - 2.1 To install the **Full Application** or **Application Only**:
 - In the Finder window that appears, double-click on the ConfigTool_xxx.app installer executable.
 - Select **Full Installation** or **Application Only** as desired.
 - Follow the on-screen instructions.
 - 2.2 To install the **System Service** only:
 - Navigate to the "Service" folder in the Finder window that appears.
 - Double-click on the "attocfgd.mpkg" installer executable file.
 - Follow the on-screen instructions.

Linux Installation Instructions:

- 1 Extract the package file by running the following command in a terminal: **tar -xvzf lnx_app_configtool_xxx.tgz**
 - 2 Navigate to the extracted folder "lnx_app_configtool_xxx"
 - 2.1 To install the **Full Application** or **Application Only**:
 - Run the ConfigTool_xxx.bin installer executable as root or superuser.
 - Select **Full Installation** or **Application Only** as desired.
 - Follow the on-screen instructions.
 - 2.2 To install the **System Service** only:
 - Navigate to the "Service" directory located inside the lnx_app_configtool_xxx directory
 - Double-click on the "attocfgd.msi" installer executable
- Run the "attocfgd.sei" installer executable as root or superuser using the following command line: **./attocfgd.sei -i**.

Hardware Installation

Back up your system data before changing or installing any hardware.



CAUTION

Celerity FC host adapters contain components that are sensitive to electrostatic discharge (ESD). ESD can Cause damage to the Celerity FC host adapter. Please follow standard methods to avoid ESD.

- 1 Install the latest drivers. Refer to Install Drivers of your *Celerity Fibre Channel Host Adapter Getting Started Guide*.
- 2 Power down the computer and unplug the computer from all power sources.
- 3 Open the case.
- 4 Install the Celerity FC host adapter in any open PCI Express expansion slot. For Celerity 164E only, install the appropriate external power cable (supplied). If you have questions about how to install an expansion card in your system, consult your computer's documentation.



Note

All Celerity cards fit in x8 or x16 mechanical slots.



CAUTION

Celerity 16Gb Quad Fibre Channel Host Adapters (FC-164E) require external power supply and adequate cooling to ensure proper system operation and prevent data loss.

- 5 Connect Fibre Channel devices by inserting a Fibre Channel cable from the devices to the connectors on the Celerity FC host adapter until you hear a click.
- 6 Close the case on the computer and power it up.

Configure your storage and adapter

Default settings are appropriate for most systems but you may change settings using the ATTO Configuration Tool on the ATTO website.

Please see ATTO Utilities Installation and Operations Manual for further information.