



ATTO Technology, Inc.

# Celerity FC-41XS

## Single-channel 4-Gigabit Fibre Channel Host Adapter Featuring ADS™ Technology



### Product Features

#### Blazing Fast Performance

- Industry proven performance for intense video applications demanding multiple streams of uncompressed HD video and 2K film production
- Delivering industry leading I/O performance for transactional database applications

#### Smooth Data Streaming

- Alleviate data transfer bottlenecks and move data more efficiently while managing latency with ATTO's exclusive ADS™ technology
- Maximize data flow using advanced bus management technology

#### One Click Installation

- Save time with factory preset configurations for plug and play operation
- Simplify installation, management and monitoring with a multi-platform Configuration Utility featuring an intuitive GUI

The Celerity FC-41XS is the next generation in storage technology, leveraging the latest in storage performance – 4-Gigabit Fibre Channel for the fastest throughput available today.

With speeds of up to 800 MB/sec., the FC-41XS is capable of supporting digital content creation, tape streaming and backup, rich content delivery, and complex database environments.

The single-channel Celerity FC-41XS host adapter provides high performance and is a cost-effective choice for client and server environments. It is fully backward compatible with installed Fibre Channel infrastructure, allowing you to protect existing investments.

To ensure a smooth transition path, the FC-41XS leverages the existing Celerity FC software and hardware architecture, allowing ATTO to deliver industry-leading quality and stable software architecture.

ATTO Celerity host adapters are an integrated family of advanced storage connectivity solutions. The FC-41XS is part of ATTO's Celerity family of storage connectivity products. These products are designed to provide reliable connectivity, intelligence and scalability. Meeting tomorrow's connectivity needs today, Celerity FC host adapters extend the capabilities of software and hardware, relieving them from their data-management.

Increase overall system performance and drive intelligence all the way to the edge of the SAN. Celerity, a platform for advanced storage connectivity.

### Technical Highlights

- Single-channel 4-Gigabit Fibre Channel Host Adapter
- 800 MB/sec. throughput in full-duplex mode
- Exclusive Advanced Data Streaming (ADS™) Technology
- Proven industry interoperability with support for the SNIA HBA API
- Driver support for Windows®, Linux, Mac® OS X and more
- Backward compatible with 2-Gb and 1-Gb Fibre Channel
- RoHS Compliant
- 3-year standard product warranty

Technical Specification  
Celerity FC-41XS

## Host Adapter

For More Information:  
[www.ATTOTech.com](http://www.ATTOTech.com)  
or to Purchase:  
[www.ATTOSTore.com](http://www.ATTOSTore.com)  
(716) 691-1999



# Celerity FC-41XS

ATTO Technology, Inc. Host Adapter

Hardware Specifications	
Fibre Channel Interface	<ul style="list-style-type: none"> <li>• One independent FC port</li> <li>• 4-Gigabit FC data-transfer rates</li> <li>• 800 MB/sec. maximum full-duplex throughput</li> <li>• Supports all FC topologies: direct fabric, arbitrated loop and point-to-point</li> <li>• ANSI Fibre Channel: FC-PH, FC-FCP, FC-AL, FC-AL2, FC-PLDA, FC-FLA</li> <li>• Flash ROM for easy field upgrades</li> <li>• FC Class 3 Support</li> <li>• Local management and diagnostics</li> <li>• Buffer Credits: 8 @ 512 Bytes; 8 @ 2 KB</li> <li>• Advanced Data Streaming (ADS™) Technology</li> </ul>
Advanced FC Capabilities	<ul style="list-style-type: none"> <li>• Supports SNIA HBA API</li> <li>• Supports Target and Initiator modes</li> <li>• LUN masking</li> <li>• Interrupt coalescing</li> </ul>
Host Bus Specifications	<ul style="list-style-type: none"> <li>• 64-bit, 133 MHz PCI-X</li> <li>• PCI-X 1.0a compliant</li> <li>• PCI 2.2 compliant</li> <li>• 3.3V PCI signaling only</li> </ul>
External Connectivity	<ul style="list-style-type: none"> <li>• Easy-to-install full height connection bracket; low-profile bracket included in Finished Goods packaging</li> <li>• External LEDs for on-line and speed status for each channel</li> <li>• One (1) pluggable LC SFP connector included</li> </ul>
Software Specifications	
Driver Support	<ul style="list-style-type: none"> <li>• Windows Server 2003, 2008, XP, Vista</li> <li>• Red Hat Linux (2.4 and 2.6 kernel)</li> <li>• SUSE Linux (2.6 kernel)</li> <li>• Mac OS X (10.4.x &amp; 10.5.x)</li> <li>• Novell Netware 6.5</li> <li>• Solaris 9 &amp; 10</li> <li>• Free BSD</li> </ul>
Agency Approvals	
Safety and Environmental	<ul style="list-style-type: none"> <li>• FCC Rules, Part 15, Class B</li> <li>• CE Mark: CISPR 22:2002/EN55022:2002, Class B</li> </ul>
Environmental & Physical Specifications	
Dimensions	<ul style="list-style-type: none"> <li>• Conforms to PCI half height, half length form-factor specifications</li> <li>• Length 6.600"</li> <li>• Height 2.536"</li> </ul>
Operating Environment	<ul style="list-style-type: none"> <li>• Temperature: 0-45° C (32°-113°F)</li> <li>• Humidity: 5 to 95% non-condensing</li> </ul>
Storage Environment	<ul style="list-style-type: none"> <li>• Temperature: -40° to 70°C (-40°-157°F)</li> <li>• Humidity: 5 to 95% non-condensing</li> </ul>
Power	<ul style="list-style-type: none"> <li>• 3.3V @ 1.5A max</li> </ul>
Airflow	<ul style="list-style-type: none"> <li>• 100 lf/m (min) recommended</li> </ul>
Optical Cabling	<ul style="list-style-type: none"> <li>• 50/125µm up to 150m @ 4-Gb</li> <li>• 50/125µm up to 300m @ 2-Gb</li> <li>• 50/125µm up to 500m @ 1-Gb</li> </ul>
RoHS Compliant	Yes
Ordering Information	
Model Number	<ul style="list-style-type: none"> <li>• CTFC-41XS-0R0 (RoHS)</li> </ul>

Technical Specification  
Celerity FC-41XS



Power Behind the Storage

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