



ATTO Technology, Inc.

# Celerity FC-42XS



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

### Product Features

#### **Blazing Fast Performance**

- Maximize data throughput with dual channel connectivity aggregating performance across multiple Fibre Channel ports
- Achieve the highest I/O and data throughput for advanced video (uncompressed HD and 2k film) and transactional database applications

#### **Smooth Data Streaming**

- Maintain accessibility to mission-critical data by transparently redirecting data requests through alternate channels
- 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-42XS is the next generation in storage technology, leveraging the latest in storage performance – 4-Gigabit Fibre Channel – for the fastest throughput available today. ATTO Celerity host adapters are an integrated family of advanced storage connectivity solutions.

With speeds of up to 800 MB/sec., the FC-42XS is capable of supporting the most intensive data applications, including digital content creation, tape streaming and backup, rich content delivery, and complex database environments.

The dual-channel Celerity FC-42XS host adapter provides the highest performing throughput for Fibre Channel applications while protecting technology investments via backward compatibility with existing infrastructure.

To ensure a smooth transition path, the FC-42XS leverages the existing Celerity FC software and hardware architecture, allowing ATTO to deliver industry-leading quality and stable software architecture.

The FC-42XS 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 burdens.

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

- Dual-channel 4-Gigabit Fibre Channel Host Adapter
- 800 MB/sec. throughput per channel 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 products
- RoHS Compliant
- 3-year standard product warranty

**Technical Specification**  
Celerity FC-42XS

## 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-42XS

ATTO Technology, Inc. Host Adapter

Hardware Specifications	
Fibre Channel Interface	<ul style="list-style-type: none"> <li>• Two independent FC ports</li> <li>• 4-Gigabit FC data-transfer rates</li> <li>• 800 MB/sec. maximum full-duplex throughput per channel</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 @ 2KB</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>• Two (2) pluggable optical LC SFP connectors 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°-158°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-42XS-0R0 (RoHS)</li> </ul>

Technical Specification  
Celerity FC-42XS



Power Behind the Storage

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