



ATTO Technology, Inc.

# FastStream™ SC 5700

Storage Controller for Fibre Channel Storage



## Product Features

### Instant Data Protection

- Instantly add parity protection to JBOD storage to ensure your data is protected without compromising performance.

### Blazing Fast Performance

- The advanced architecture of the FastStream Storage Controller provides the sustained throughput needed for post production, digital editing, audio streaming, 3D animation, CGI, database and IT applications all while managing latency.
- The FastStream SC 5700 can support dual streams of 10-bit uncompressed High Definition video with alpha channel titles, 12+ streams of Standard Definition video as well as streaming audio applications.

### Smooth Data Streaming

- Allocate storage as needed on an application by application basis with the on-the-fly capacity expansion.
- Make unused storage available to the servers that need it most with Storage Pooling.

### One-click Installation

- Takes the guesswork out of setup and installation while automatically optimizing for most application environments.
- Add additional storage and expand existing RAID Groups while keeping all data intact.

## Ensure high storage availability, prevent data loss and eliminate failures when installed in front of individual storage systems

The ATTO FastStream SC 5700 provides blazing-fast performance and instant RAID parity protection to any storage device with a Fibre Channel connection using a simple “one-click” installation.

ATTO FastStream Storage Appliances are high performance, storage agnostic, stand alone appliances which add instant data protection and can be seamlessly integrated into an existing storage environment to provide blazing-fast access to valuable assets. This means you can add hardware RAID to new or existing Fibre Channel storage to ensure data is protected without compromising performance. The ATTO FastStream is designed to provide on-the-fly capacity expansion for high-performance environments and applications.

ATTO FastStream Storage Appliances offer the latest in performance and connectivity. Using the “one-click” set-up wizard dramatically simplifies installation and configuration. Add instant RAID to SATA, SAS and ATA JBOD storage as long as a Fibre Channel connection is available. The ATTO FastStream SC supports DVRAID, ATTO’s proprietary technology and allows for multiple streams of high definition editing plus alpha channel titles. RAID levels 0, 1, 4, 5, 10 and 50 as well as JBOD are also supported. Existing RAID volumes can be expanded, mirrors added or RAID levels changed dynamically while keeping all data intact. Add storage as needed, when needed. The Storage Provisioning feature enables optimal use of storage assets and the ability to modify the storage infrastructure with minimal or no disruption to application services. In addition, the ATTO RAID Storage Appliance is RoHS compliant and is available in an industry standard 1U rack-mount or desktop enclosure.

## Storage Appliance

## Technical Highlights

- RAID Levels 0,1,4,5,10, and Digital Video RAID™
- N-Way Mirroring
- Four 4-Gigabit Fibre Channel Interfaces
- Maximum throughput of 480 MB per second
- ECC Protected Cache Memory - 256 MB
- Global Hot Spares
- Advanced Management via RS-232 and Ethernet
- ExpressNAV™ Storage Manager GUI for simplified management
- Field Updateable Firmware
- Drive Verification and Performance Metrics
- Phone Home Error Notification
- O/S and Platform Independent
- RoHS Compliant

Technical Specification  
FastStream SC 5700

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



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## Storage Controller

Technical Features	
RAID Support	<ul style="list-style-type: none"> <li>• JBOD, DVRAID, 0, 1, 4, 5, 10, 40, 50 and N-way mirroring</li> </ul>
Key Features	<ul style="list-style-type: none"> <li>• RAID rebuild with tunable RAID rebuild Priority</li> <li>• Latency management for remote editing in audio environments</li> <li>• Drive Performance Metrics</li> <li>• Global Hot Spares</li> <li>• Drive Initialization and Verification</li> <li>• Partitioning of RAID Volumes</li> <li>• Port Mapping for LUN Isolation</li> <li>• Field Upgradeable Firmware</li> <li>• O/S Independent Operation</li> <li>• Battery Backed Event Log</li> <li>• ECC Protected Memory</li> <li>• Phone Home Error Notification</li> </ul>
Hardware Specifications	
Fibre Channel Interface	<ul style="list-style-type: none"> <li>• 4 Gigabit, auto-negotiates to 2/1 Gigabit devices</li> <li>• Four Optical SFP (Small Form Factor Pluggable) Fibre Channel ports</li> <li>• Full support for direct connect for F-port fabric switches</li> <li>• Class 3 and Intermix ANSI Fibre Channel Specifications</li> <li>• PLDA, public loop login (NL-ports) and fabric connect (N-port)</li> <li>• Full-duplex transmissions</li> </ul>
Management Interface	<ul style="list-style-type: none"> <li>• RJ-45 connector for Ethernet management port</li> <li>• RS-232 serial header console port</li> </ul>
Management	
Setup and Monitoring	<ul style="list-style-type: none"> <li>• Simplified one-click setup allows for system setup in just minutes</li> <li>• Built in read-only drive performance monitoring allows you to gauge storage performance while host-based applications are in use</li> </ul>
Local and Network Management	<ul style="list-style-type: none"> <li>• ExpressNAV™ storage manager browser-based user interface for remote configuration, management and diagnostic capabilities</li> <li>• Local diagnostics supported via CLI, Telnet and FTP</li> <li>• Command line and menu-based ASCII text management access via the Ethernet management port</li> </ul>
Environmental & Physical Specifications	
Dimensions	<ul style="list-style-type: none"> <li>• 1.7" (1U) H x 17" W x 11" L</li> </ul>
Operating Environment	<ul style="list-style-type: none"> <li>• Temperature: 5 - 40° C • Humidity: 10 - 90% non-condensing</li> </ul>
Storage Environment	<ul style="list-style-type: none"> <li>• Temperature: 0 - 40° C • Humidity: 20 - 80% non-condensing</li> </ul>
Power	<ul style="list-style-type: none"> <li>• Input: 100-240VAC +/- 18%, 50/60 Hz</li> </ul>
Airflow	<ul style="list-style-type: none"> <li>• 11 CFM recommended</li> <li>• Ambient air not to exceed 40° C</li> </ul>
RoHS Compliant	<ul style="list-style-type: none"> <li>• Yes</li> </ul>
Ordering Information	
Model Number	<ul style="list-style-type: none"> <li>• FSSC-5700-0R0</li> </ul>
Accessories	<ul style="list-style-type: none"> <li>• Cables: CBL-LCLC-R10 (10M LC-LC cables)</li> </ul>

