



ATTO Technology, Inc.

# FastStream™ SC 7500

Storage Controller for SAS/SATA Storage



## Product Features

### Instant Data Protection

- Instantly add parity protection to JBOD storage to ensure data is protected without compromising performance
- Aggregate multiple JBOD or RAID arrays to create a large pool of storage and provide higher bandwidth.

### Blazing Fast Performance

- The FastStream SC provides the performance to support 24fps 4K digital film, 2K film or 10-bit un-compressed high definition video.
- 48fps 4K film supported with dual FastStream SC 7500 controllers
- Managed latency for the low block-sized data transfers associated with Audio and Database applications.

### Smooth Data Streaming

- Support for multiple audio editing sessions over a SAN
- 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

- One button setup wizards optimize for Video, Audio, Database and General IT environments
- Add additional storage and expand existing RAID Groups while keeping all data intact.

## High performance appliance adds instant RAID protection and ensures high storage availability

ATTO FastStream SC Appliances are scalable RAID controllers that deliver high performance access to data and data protection for applications in DVA and IT infrastructures including 4K and 2K digital film production, high-definition video post, digital prepress, disk-to-disk backup, audio production, email compliance, data warehousing, data mining and transaction based environments.

The ATTO FastStream SC 7500 provides blazing-fast performance and instant RAID parity protection to any storage device with a SAS or SATA connection using a simple “one-click” installation.

Designed as a 1U external appliance which integrates with SAS or SATA storage to provide instant RAID protection and advanced intelligence over several JBOD or RAID arrays, FastStream appliances can be seamlessly integrated into an existing storage environment to provide blazing-fast access to valuable assets. Existing RAID volumes can be expanded, mirrors added or RAID levels changed dynamically while keeping all data intact.

The FastStream SC 7500 also adds advanced intelligence features such as Phone home email alerts, real-time performance metrics, N-way mirroring, global hot spares and more. Users can add storage as needed, when needed with the capacity expansion feature.

The ATTO FastStream Storage Appliance offers the latest in performance and connectivity. Using the “one-click” set-up wizard provided by the ExpressNAV™ Storage Manager, installation, configuration and management have never been easier.

## Technical Highlights

- Digital Video RAID™ and RAID 0, 1, 4, 5, 10, 40, 50 with Global Hot Spares
- Up to 1185 MB/sec throughput with SAS
- Cache memory - 512MB ECC protected memory
- Four 4-Gigabit Fibre Channel Host Ports
- Eight 3-Gigabit SAS/SATA Device Ports via two four-port connectors
- Advanced Management via RS-232 and Ethernet.
- ExpressNAV™ Storage Manager 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 7500

## Storage Appliance OEM Only

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

Technical Features	
RAID Levels	<ul style="list-style-type: none"> <li>• JBOD, DVRAID, 0, 1, 4, 5, 6*, 10, 40, 50 and 60* plus N-way mirroring</li> </ul>
Key Features	<ul style="list-style-type: none"> <li>• Tunable RAID Rebuild Priority</li> <li>• Real-time Performance Metrics</li> <li>• Application Performance Reporting</li> <li>• Global Hot Spares</li> <li>• Audio Latency Management</li> <li>• Drive Initialization and Verification</li> <li>• Partitioning of RAID Volumes</li> <li>• Port Mapping for LUN Isolation</li> <li>• Zoning LUN mapping (optional)</li> <li>• One button setups for Audio, Video, IT</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 email Error Notification</li> <li>• ExpressNAV™ Storage Manager</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>
SAS/SATA Interface	<ul style="list-style-type: none"> <li>• Eight 3-Gb SAS/SATA ports via two four-port MiniSAS (SFF-8080) connectors</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 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 and ExpressNAV</li> </ul>
Environmental & Physical Specifications	
Dimensions	<ul style="list-style-type: none"> <li>• 1.69" (1U) H x 17.31" W x 9.9" 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: -40 - 70° C • Humidity: 5 - 95% non-condensing</li> </ul>
Power	<ul style="list-style-type: none"> <li>• Input: 100-240 VAC, 2.5A, 47-63 Hz</li> </ul>
Fixed Airflow	<ul style="list-style-type: none"> <li>• 11 CFM</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	FSSC-7500-D00

\*RAID 6 and 60 planned for Q1 2008