



ATTO Technology, Inc.

FastStream™ SC 7700

Storage Controller for Fibre Channel Storage



Product Features

Instant Data Protection

- Instantly add parity protection to FC 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 advanced architecture of the FastStream SC provides the sustained throughput needed for post production, digital editing, audio streaming, 3D animation, CGI, database and IT applications all while managing latency

Smooth Data Streaming

- Audio Latency Management provides parity RAID protection while managing latency to support multiple sessions of audio editing.
- 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 7700 provides blazing-fast performance and instant RAID parity protection to any storage device with a Fibre Channel connection using a simple “one-click” installation.

Designed as a 1U external appliance which integrates with Fibre Channel connected 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 7700 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 750 MB/sec throughput with SAS
- Cache memory - 512MB ECC protected memory
- Two 4-Gigabit Fibre Channel Host Ports and Two 4-Gigabit Fibre Channel Device Ports
- N-way Mirroring
- 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 7700

Storage Appliance OEM Only

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



FastStream™ SC 7700

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Storage Controller

Technical Features	
RAID Levels	<ul style="list-style-type: none"> • JBOD, DVRAID, 0, 1, 4, 5, 6*, 10, 40, 50 and 60 plus N-way mirroring
Key Features	<ul style="list-style-type: none"> • Tunable RAID Rebuild Priority • Real-time Performance Metrics • Application Performance Reporting • Global Hot Spares • Audio Latency Management • Drive Initialization and Verification • RAID Volume Partitioning • Port Mapping for LUN Isolation • Zoning LUN mapping (optional) • One button setups for Audio, Video, IT • Field Upgradeable Firmware • O/S Independent Operation • Battery Backed Event Log • ECC Protected Memory • Phone Home Error Notification • ExpressNAV™ Storage Manager
Hardware Specifications	
Fibre Channel Interface	<ul style="list-style-type: none"> • 4-Gigabit, auto-negotiates to 2/1 Gigabit devices • Two Optical SFP (Small Form Factor Pluggable) Fibre Channel Host Ports • Two Optical SFP Fibre Channel Device Ports • Full support for direct connect for F-port fabric switches • Class 3 and Intermix ANSI Fibre Channel Specifications • PLDA, public loop login (NL-ports) and fabric connect (N-port) • Full-duplex transmissions
Management Interface	<ul style="list-style-type: none"> • RJ-45 connector for Ethernet management port • RS-232 serial header console port
Management	
Setup and Monitoring	<ul style="list-style-type: none"> • Simplified one-click setup allows for system setup in just minutes • Built in read-only drive performance monitoring allows you to gauge storage performance while host-based applications are in use
Local and Network Management	<ul style="list-style-type: none"> • ExpressNAV™ storage manager browser-based user interface for remote configuration, management and diagnostic capabilities • Local diagnostics supported via CLI, Telnet and FTP • Command line and menu-based ASCII text management access via the Ethernet management port
Environmental & Physical Specifications	
Dimensions	<ul style="list-style-type: none"> • 1.69" (1U) H x 17.31" W x 9.9" L
Operating Environment	<ul style="list-style-type: none"> • Temperature: 5 - 40° C • Humidity: 10 - 90% non-condensing
Storage Environment	<ul style="list-style-type: none"> • Temperature: -40 - 70° C • Humidity: 5 - 95% non-condensing
Power	<ul style="list-style-type: none"> • Input: 100-240 VAC, 2.5A, 47-63 Hz
Airflow	<ul style="list-style-type: none"> • 11 CFM recommended • Ambient air not to exceed 40° C
RoHS Compliant	<ul style="list-style-type: none"> • Yes
Ordering Information	
Model Number	FSSC-7700-D00

*RAID 6 and 60 planned for Q1 2008

Technical Specification
FastStream SC 7700



Power Behind the Storage

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