# ATTO

**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

- **DVRAID™ and RAID 0, 1, 4, 5, 6, 10, 40, 50 and 60**
- **Up to 750 MB/sec throughput**
- **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**

## Storage Appliance

**Technical Specification**
FastStream SC 7700

# *FastStream™ SC 7700*
## Storage Controller

| Technical Features | |
|---|---|
| RAID Levels | • JBOD, DVRAID, 0, 1, 4, 5, 6, 10, 40, 50 and 60 plus N-way mirroring |
| Key Features | • Tunable RAID Rebuild Priority  • SCSI Enclosure Services (SES)<br>• Real-time Performance Metrics  • Configurable Sector Sizes to 8KB<br>• Application Performance Reporting  • Field Upgradeable Firmware<br>• Local and Global Hot Spares  • Hot Swap with Auto Rebuild<br>• Configuration Cloning  • Battery Backed Event Log<br>• Drive Initialization and Verification  • ECC Protected Memory<br>• Partitioning of RAID Volumes  • Advanced Error Handling<br>• Port Mapping for LUN Isolation  • One button setups for Audio, Video, IT |

| Hardware Specifications | |
|---|---|
| Fibre Channel Interface | • 4-Gigabit, auto-negotiates to 2/1 Gigabit devices<br>• Two Optical SFP (Small Form Factor Pluggable) Fibre Channel Host Ports<br>• Two Optical SFP Fibre Channel Device Ports<br>• Full support for direct connect for F-port fabric switches<br>• Class 3 and Intermix ANSI Fibre Channel Specifications<br>• PLDA, public loop login (NL-ports) and fabric connect (N-port)<br>• Full-duplex transmissions |
| Management Interface | • RJ-45 connector for Ethernet management port<br>• RS-232 serial header console port |

| Management | |
|---|---|
| Setup and Monitoring | • Simplified one-click setup allows for system setup in just minutes<br>• Built in read-only drive performance monitoring allows you to gauge storage performance while host-based applications are in use |
| Local and Network Management | • ExpressNAV™ storage manager browser-based user interface for remote configuration, management and diagnostic capabilities<br>• Local diagnostics supported via CLI, Telnet and FTP<br>• Command line and menu-based ASCII text management access via the Ethernet management port |

| Environmental & Physical Specifications | |
|---|---|
| Dimensions | • 1.69" (1U) H x 17.31" W x 9.9" L |
| Operating Environment | • Temperature: 5 - 40° C • Humidity: 10 - 90% non-condensing |
| Storage Environment | • Temperature: -40 - 70° C • Humidity: 5 - 95% non-condensing |
| Power | • Input: 100-240 VAC, 2.5A, 47-63 Hz |
| Airflow | • 11 CFM recommended<br>• Ambient air not to exceed 40° C |
| RoHS Compliant | • Yes |

| Ordering Information | |
|---|---|
| Model Number | FSSC-7700-D00 |

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FastStream SC 7700

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Power Behind the Storage