



ATTO Technology, Inc.

FastStream™ SC 5500

Desktop/Rackmount Storage Controller for SAS/SATA Storage



Product Features

Instant Data Protection

- Aggregate inexpensive JBOD storage to create a high performance, data protected solution

Blazing Fast Performance

- The FastStream SC provides the performance to support 24fps 4K digital film, 2K film or 10-bit uncompressed high definition video
- Provides managed latency for low block-sized data transfers common in database and audio editing applications

Smooth Data Streaming

- Support for multiple workstations accessing data over a SAN
- Add additional storage with on-the-fly capacity expansion and expand existing RAID groups while keeping all data intact

One-click Installation

- One button setup wizards optimize storage for Video, Audio, Database and General IT environments

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

The FastStream SC 5500 Storage Controller is a scalable RAID controller that delivers 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, medical imaging, email compliance, data warehousing, data mining and transaction based environments.

ATTO FastStream Storage Controllers provide best of class performance and instant RAID parity protection to any SAS or SATA storage device; FastStream allows you to mix SAS and SATA storage to integrate into a tiered storage solution.

Designed as a 1U external appliance which integrates with SAS or SATA storage to provide instant RAID protection over several JBOD arrays, the FastStream SC 5500 provides a cost-effective alternative to purchasing additional RAID arrays. Whenever storage exceeds existing capacity expanding existing RAID groups or adding new RAID groups is as simple as connecting another off-the-shelf JBOD drive enclosure.

By utilizing the “one-click” set-up wizard provided by the ExpressNAV™ Storage Manager, tailoring storage to your environment has never been easier. Advanced intelligence features such as Phone Home email alerts and real-time performance metrics make it simple to manage and maintain your storage.

Technical Highlights

- DVRAID™ and RAID 0, 1, 4, 5, 6, 10, 40, 50 and 60
- Up to 650 MB/sec throughput with SAS
- Cache memory - 512MB ECC protected memory
- Two 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 5500

SAN Storage Appliance

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



FastStream™ SC 5500

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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 • Local and Global Hot Spares • Configuration Cloning • Drive Initialization and Verification • Partitioning of RAID Volumes • Port Mapping for LUN Isolation • SCSI Enclosure Services (SES) • Configurable Sector Sizes to 8KB • Field Upgradeable Firmware • Hot Swap with Auto Rebuild • Battery Backed Event Log • ECC Protected Memory • Media Error Handling • One button setups for Audio, Video, IT
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 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
SAS/SATA Interface	<ul style="list-style-type: none"> • Eight 3-Gb SAS/SATA lanes via two four-port MiniSAS (SFF-8080) connectors
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 and ExpressNAV
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
Fixed Airflow	<ul style="list-style-type: none"> • 11 CFM • Ambient air not to exceed 40° C
RoHS Compliant	<ul style="list-style-type: none"> • Yes
Ordering Information	
Model Number	FSSC-5500-D00



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