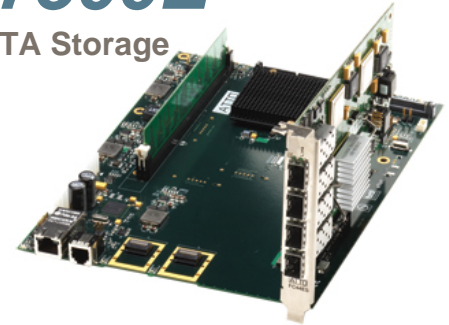




ATTO Technology, Inc.

FastStream™ SC 7500E

Embedded RAID Controller for SAS/SATA Storage



Embeddable RAID Controller adds instant RAID protection and ensures high storage availability

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 uncompressed high definition video.
- 48fps 4K film supported with dual FastStream 7500E 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.

ATTO FastStream Storage Controllers 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.

ATTO FastStream SC 7500E provides blazing-fast performance and instant RAID parity protection to any storage device with a SAS or SATA connection.

ATTO has designed the FastStream to take advantage of the latest in storage connectivity and processor technology, these are but two features which enable OEMs to have significantly faster time to market with new products. By embedding the FastStream SC 7500E into a storage product and private labeling the browser user interface, OEM customers can be sure to lower OEM development costs while creating a portfolio which compliments existing product lines.

Designed as an embedded microATX RAID Controller which integrates with SAS or SATA storage to provide instant RAID protection and advanced intelligence, FastStream Controllers can be seamlessly integrated into an existing storage enclosures to provide blazing-fast access to valuable assets.

The FastStream SC 7500E 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.

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 (Upgradeable to 2GB)
- 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 BUI
- Field Updateable Firmware
- Drive Verification and Performance Metrics
- Phone Home Error Notification
- O/S and Platform Independent
- RoHS Compliant

Technical Specification
FastStream SC

Storage Appliance
OEM Only

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



FastStream™ SC 7500E

ATTO Technology, Inc.

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 • Partitioning of RAID Volumes • 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 email 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 • Four 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 ports via two internal SFF-8484 SAS 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 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"> • 177.80mm (w) x 1U* (h) x 244mm (l) (*Up to 3U depending on configuration)
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: 12 VDC +/- 10%, 6A
Recommended 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-7500-E00

*RAID 6 and 60 planned for Q1 2008

Technical Specification
FastStream SC



Power Behind the Storage

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