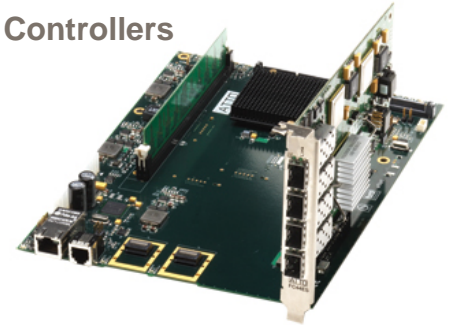




ATTO Technology, Inc.

# FastStream™ SC 5500E/7500E

Embeddable FC to SAS/SATA RAID Controllers



## Embeddable RAID Controllers adds instant RAID protection and ensures high storage availability

### Product Features

#### Collaborative Workflow

- Multiple fibre channel ports provided by the 7500 give small workgroups the ability to share storage without the need for an expensive fibre channel switch

#### Instant Data Protection

- Integrate with inexpensive JBOD storage to create a high performance parity 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

- Supports 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

The ATTO FastStream SC 5500E and 7500E are embeddable 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, 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

ATTO designed the FastStream to take advantage of the latest in storage connectivity and processor technology, these two benefits alone provide a path for OEMs to provide products with the fastest time to market. By embedding the FastStream SC 5500E or 7500E into a storage product and private labeling the browser interface, Systems Integrators and OEM customers can be sure to lower 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 RAID Controllers can be seamlessly integrated into standard ATX or custom storage enclosures to provide a high performance storage solution.

The FastStream SC 5500E and 7500E add 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. Specific OEM-only features are available to provide a more synergistic look and feel to your product.

### Technical Highlights

- 5500E features two 4-Gb Fibre Channel host ports to provide performance of up to 650 MB/sec
- 7500E features four 4-Gb Fibre Channel host ports to provide performance of up to 1200 MB/sec
- Eight 3-Gb SAS/SATA Device Lanes via two four-port connectors
- DVRAID™ and RAID 0, 1, 4, 5, 6, 10, 40, 50 and 60
- Cache memory - 512MB ECC Protected Memory (Upgradeable to 2GB)
- Advanced Management via RS-232 and Ethernet.
- ExpressNAV™ Storage Manager user interface
- Drive Verification and Performance Metrics
- Phone Home Error Notification
- O/S and Platform Independent
- RoHS Compliant

Technical Specification  
FastStream SC Embedded

## MicroATX RAID Controller OEM / System Integrators

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



# FastStream™ SC 5500E/7500E

ATTO Technology, Inc. RAID Storage Controllers

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>• Local and Global Hot Spares</li> <li>• Configuration Cloning</li> <li>• Drive Initialization and Verification</li> <li>• Partitioning of RAID Volumes</li> <li>• Port Mapping for LUN Isolation</li> <li>• SCSI Enclosure Services (SES)</li> <li>• Configurable Sector Sizes to 8kB</li> <li>• Field Upgradeable Firmware</li> <li>• Hot Swap with Auto Rebuild</li> <li>• Battery Backed Event Log</li> <li>• ECC Protected Memory</li> <li>• Media Error Handling</li> <li>• One button setups for Audio, Video, IT</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>• Two Optical SFP (Small Form Factor Pluggable) Fibre Channel ports (5500E)</li> <li>• Four Optical SFP (Small Form Factor Pluggable) Fibre Channel ports (7500E)</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> </ul>
SAS/SATA Interface	<ul style="list-style-type: none"> <li>• Eight 3-Gb SAS/SATA ports via two internal SFF-8484 SAS 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-based 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>• 177.80mm (w) x 1U* (h) x 244mm (l) (*Up to 3U depending on configuration)</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: 12 VDC +/- 10%, 6A</li> </ul>
Recommended 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 Numbers	<ul style="list-style-type: none"> <li>• FSSC-5500-E00 / <b>5500E</b> • FSSC-7500-E00 / <b>7500E</b></li> </ul>

Technical Specification  
FastStream SC Embedded



Power Behind the Storage

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