ATTO ThunderStream™ SC 4808

Thunderbolt™ 2 to 6Gb SAS/SATA RAID

ATTO ThunderStream Storage Controllers provide latency management and RAID protection for SAS/SATA devices which are accessible by Thunderbolt enabled host.

Technical Features

- 20Gb Thunderbolt to 6Gb SAS/SATA with support for up to 128 disk or tape devices through expanders

- Provides RAID Levels 0 , 1, 5, 6 & 10

- Thunderbolt 2 line speed performance

- Dual 20Gbps Thunderbolt with Display Port and PCIe Support

- Thunderbolt certified for Mac and PC

- Dual ports enable daisy-chaining up to six devices

- Autonomous operation; RAID Rebuilds, Media Scan and other operations continue without a host connection.

- ATTO ConfigTool for customized performance settings

- Industry's lowest power consumption

- Standard 3 year warranty

- RoHS Compliant

- Backwards compatible with 10Gb/s Thunderbolt

Industry Proven Technology

ATTO ThunderStream Storage Controllers feature time-proven ATTO RAID technology and other proprietary technologies developed over the past 18 years to provide the highest performing shared storage solution in its class. ATTO ThunderStream Storage Controllers integrate with disk drives to enable a small form factor, high performance RAID array. In addition, SAS tape drives can be connected to Thunderbolt to provide access using backup software and LTFS tape applications.

Flexible Connectivity Solutions

The 6Gb/s RAID Desklink Device is an ideal solution for users looking to achieve the highest I/O and data throughput for advanced video and access to IT applications. ThunderStream SC 4808 Desklink Devices offer driver support for Mac OS® X 10.9 and later and Windows® 7 and later (Linux® when Thunderbolt enabled platforms become available), providing a single connectivity solution for customers with heterogeneous operating system environments.

Performance Engineered

The ThunderStream SC features latency and disk management technologies which ensure optimal performance and minimal latency. ATTO's Advanced Data Streaming (ADS™) Technology manages latency by providing controlled acceleration for smooth data streaming. DriveAssure™ technology uses proprietary algorithms and user controls to prevent premature drive failures and slow downs. Combined, these technologies give users smooth, uninterrupted access to data with the highest available performance.

Advanced Management Tools

ATTO's easy-to-use ConfigTool features an intuitive GUI that simplifies the installation, management and monitoring of the Desklink Device. With advanced troubleshooting and performance tuning capabilities, ConfigTool provides users with sophisticated diagnostics and the flexibility to control settings for specific applications

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Applications

ATTO ThunderStream Storage Controllers allow Thunderbolt enabled platforms for Mac® and Windows operating systems to add high-performance RAID protection to SAS/SATA JBOD storage. This maximizes storage performance for professional and prosumer applications such as digital content creation, prepress and high-definition video/audio streaming.

Advanced Data Streaming (ADS™)

Latency-management technology that controls the acceleration of data transfers to move large amounts of data faster and more efficiently.

DriveAssure™ Technology

Drive assessment and latency management technology which minimizes the likelihood of RAID Groups becoming prematurely degraded or taken offline due to slow drives ensuring uninterrupted access to media.

RAID Features and Functionality

- RAID Levels 0, 1, 5, 6, 10
- Automatic RAID rebuild priority
- RAID export functionality allows RAID data to be accessed when drives connected to ATTO ExpressSAS RAID products
- Hot swap with auto rebuild
- Dedicated or global hot spares
- Onboard audible alarm
- Initialization media scrubbing
- Media scan with parity verification
- Rebuilds continue-on-error
- On-the-fly media error handling

Management Tools

- User-friendly GUI for quick and easy RAID setup
- Command Line Interface for advanced functionality
- ATTO ConfigTool: RAID management and configuration utility
- Automatic drive initialization and verification identifies drives with soft errors or performance issues
- SCSI Enclosure Services (SES) monitor critical components to provide system feedback
- Temperature monitoring

Operating System Support

- Mac OS® X 10.9 and later
- Windows® 7 and later

Dimensions

- 8.66"(D) x 4.07"(W) × 1.20"(H)

Power Adapter

- Input: 100-240VAC, 50-60Hz, 0.6A Max
- Output: 12VDC

External Connectivity

- (2) 6Gb x4 mini-SAS connectors (SFF-8088)
- Supports SAS and SATA disk devices
- Pass-through for SAS tape devices

Environmental

Operating Temperature :
- Temperature: 0-40° C
- Humidity: 10-90% non-condensing

Storage Temperature :
- Temperature: -40 C to 70° C
- Humidity: 5-95% non-condensing

Compliance

- FCC Part 15, Subpart B, Class B
- EN55022, Class B/EN55024
- EN60950-1
- $_{c}TUV_{US}$
- EU RoHS (2011/65/EC)
- TAA Compliant (country of origin: USA)

Warranty

- 3 Years

Ordering Information

- Phone: 716-691-1999 ext. 241

Thunderbolt 2 to 10GBASE-T

- ThunderStream SC 4808: TSSC-4808-D00
- ThunderStream SC 4808: TSSC-4808-DE0

Complementary Products

- ATTO Celerity™ Fibre Channel HBAs
- ATTO ExpressSAS™ HBAs and RAID Adapters
- ATTO FastFrame™ CNAs & NICs
- ATTO FibreBridge™ Fibre Channel Bridges
- ATTO FibreConnect™ Fibre Channel Switches
- ATTO premium cables

ThunderStream	SC 4808
Model Number	TSSC-4808-D00 TSSC-4808-DE0
Input Connectors	(2) 20Gb/s Thunderbolt™
Output Connectors	(2)x4 6Gb/s SAS/SATA
Connector Type	(2) SFF-8088
Form Factor	Desktop
Warranty	3 Year