



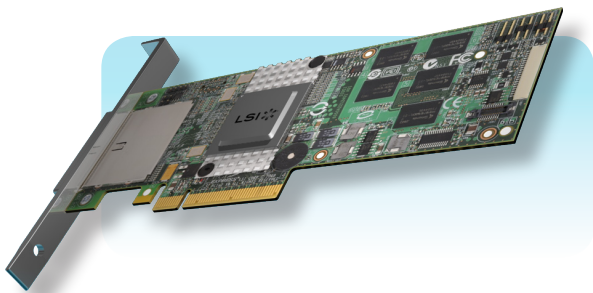
LSI 6Gb/s SATA+SAS Trusted Storage Solutions for Data Centers

Customers rely on your infrastructure for faster, more reliable and secure reads and writes. Gain a competitive edge by offering high performance, more secure and state-of-the-art systems. Maximize your IT budgets, by securing LSI™ 6Gb/s SATA+SAS storage solutions for your 3Gb/s and 6Gb/s drive-based systems.

More Capacity and ROI

LSI 6Gb/s technologies help lower your capital and operating costs, and represent a higher value/\$.

- You can connect more HDDs to a single controller.
- Lower capital expenditure costs with more efficient utilization of servers and storage systems.
- More efficient energy utilization, includes improved power profiles.
- Lower operating costs with energy savings, management and support.



Deliver Maximum I/O

When you include LSI 6Gb/s SATA+SAS solutions in your systems, you can deliver more reads and writes to your customers.

Up to 2,875MB/s reads, 1,870MB/s writes

Database Transactions

Up to 50% MORE

Video Streams

Up to 70% MORE

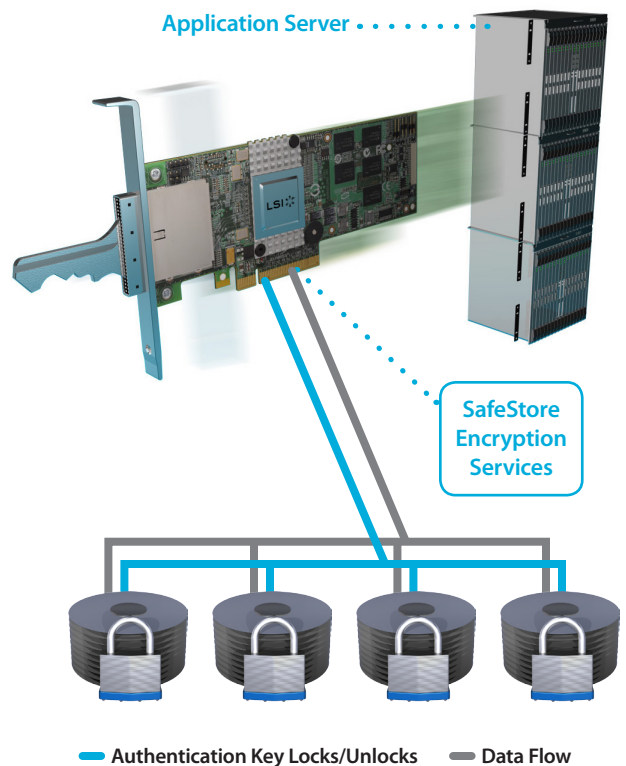
Faster Backups

Up to 190% MORE

More Security – Protect Data-at-Rest

Securing hard disk drives (HDDs) at rest is a crucial step for data theft prevention plans. Hard drives can be stolen from your data center, or data can be retrieved when you send HDDs in for warranty, return, repair, resale, replacement or retirement. LSI 6Gb/s SATA+SAS RAID controller cards offer:

- Encryption services for self-encrypting drives (SEDs) to help secure a drive's data from unauthorized access.
- Instant Secure Erase allowing you to erase SEDs in less than a second, securing drives for returns or reuse.
- Local Key management to lock SEDs in the event of theft or a data breach.



LSI MegaRAID® SATA+SAS Controller Cards with Encryption

LSI MegaRAID SATA+SAS controllers provide improved reliability, data protection capabilities, and significant performance improvements in both read and write applications. Plus, they are designed to be backwards compatible with 3Gb/s SATA and 3Gb/s SAS HDDs.

Coupled with SEDs, LSI MegaRAID SATA+SAS controllers offer SafeStore™ Encryption Services that provide security for data at rest. LSI SafeStore Encryption Services include Instant Secure Erase and Local Key Management for SEDs.

To gain all of the benefits that LSI 6Gb/s SATA+SAS has to offer including SafeStore Encryption Services, select from one of two solutions below:

- MegaRAID SAS 9260DE-8i, with eight internal SATA+SAS ports, provides a new level of performance and data protection for internal storage systems using up to 32 SATA or SAS hard drives or solid state drives (SSDs).
- MegaRAID SAS 9280DE-8e, with eight external SATA+SAS ports, is great for configuring external enclosures with your choice of high-performance SAS hard drives, high-capacity SATA hard drives or energy-efficient SSDs.

Other Benefits

- Improved usability in MegaRAID Storage Manager (MSM)
- Intuitive RAID management utility available
- Adopt any 6Gb/s SATA+SAS product for 3Gb/s systems and scale for future migration to 6Gb/s ecosystems.
- Minimal downtime as well as simple installation and configuration.
- Quick to provide customer benefits of 6Gb/s for 3Gb/s HDDs.

KEY ADVANTAGES

- Superior performance
 - Maximum reads: 2,875MB/s
 - Maximum writes: 1,870MB/s
- PCI Express 2.0 provides faster signaling for high-bandwidth applications
- Support for 3Gb/s and 6Gb/s SATA and SAS hard drives
- Controllers featuring external connectors are great for external subsystems using large numbers of SATA or SAS drives
- SafeStore Encryption Services for more secure data protection
- Low-profile MD2 form factor for space-limited 1U and 2U environments

KEY FEATURES

- Eight internal or eight external 6Gb/s SATA+SAS ports
- New - Spread Spectrum Clocking (SSC), longer cables, Decision Feed back Equalization (DFE), self-configuring expanders
- LSISAS2108 6Gb/s RAID-on-Chip - 800MHz PowerPC®
- 512MB 800MHz DDRII cache memory
- Optional battery backup module
- RAID Levels 0, 1, 5 and 6
- RAID Spans 10, 50 and 60

For more information and sales office locations, please visit the LSI web sites at:
lsi.com | lsi.com/channel

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