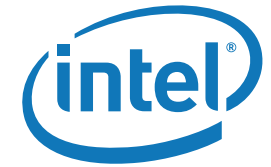
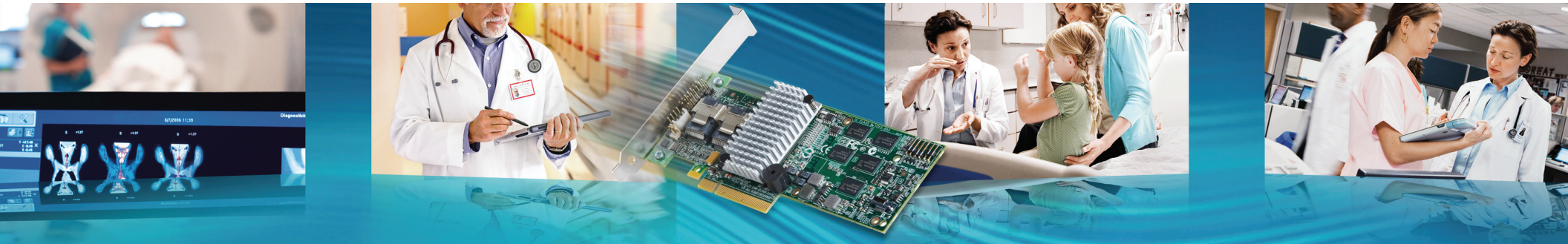


Intel® RAID Solutions for Your Healthcare Storage Applications



Amplify. Optimize. Thrive. Do SAS-2/6G Storage Right.



Healthcare reform is dramatically changing the information technology landscape. Healthcare providers are immersed into a digital age which drives an increased demand for storage requirements. Technology vendors are lining up to address this emerging market need.

Healthcare Providers Reach For IT Help

Healthcare reform is driving providers to move paper files to electronic records and to have patient data accessible by the care network. Government stimulus opportunities for technology investments, and support from suppliers will help providers shift to this new digital paradigm. This migration is expected to help to both improve overall efficiency and increase the quality of care.

And while government stimulus opportunities for technology investments are a possibility for some providers, IT teams and system builders will need to architect storage systems that can provide:

- **More performance and availability** - faster accessibility, availability, and updatability of patient data.
- **More capacity** - higher storage capacity for electronic data.
- **More security** - greater confidence that patient information doesn't end up in the wrong hands.

Intel® RAID Solutions Deliver Performance, Scalability, and Enhanced Security

Intel delivers the latest in SAS-2/6G RAID products that provide industry-leading performance including up to 150,000 IOPs** to ensure rapid data access pertinent to healthcare. An easy to use Web-based graphical user interface accompanied by advanced RAID management software allows for easily adding capacity to volumes. Additionally, advanced data protection is available such as Intel Drive Encryption Management which enables Self Encrypting Drive (SED) encryption that secures data from unauthorized access.

Amplify.

Supercharge storage with world-class performance, and simplified data protection across all RAID levels.

Optimize.

Reduces total cost of ownership by shopping Intel for servers and controllers.

Thrive.

Obtain the best tools, marketing support, and upgrades, such as Premium Features.

Custom training, as well as Intel® service and support, make Intel the one source for customers seeking data protection, increased productivity, and simplified IT. All Intel RAID solutions are validated across multiple platforms with Intel® boards, chassis, and systems.

Diverse Intel RAID Options for a Wide Range of Healthcare Solutions

With a broad portfolio of Intel SAS-2/6G RAID solutions, powered by LSI MegaRAID, system builders can solve a variety of healthcare customer storage applications. Customers can benefit from significant performance improvements for both 3Gb/s and 6Gb/s SATA or SAS-based systems. By upgrading from a SAS-1 to SAS-2 generation product, customers can achieve up to 250% more performance with standard hard drives and even higher with the use of Solid State Drives (SSDs). When architecting storage solutions, system builders can choose from the following:

- **Intel® Embedded Server RAID Technology II:** Host-based RAID that uses the chipset, processors, and memory of the server board to provide basic data protection.
- **Intel® Integrated Server RAID:** Unique system boards that offer intelligent RAID protection for SAS and SATA hard disk drives.
- **Intel® RAID Controllers:** Standard add-in cards designed to provide a wide variety of RAID solutions for Intel® Server boards and systems.
- **Intel® Premium Feature Keys:** Unlock advanced software features to further enhance performance and data protection of mainstream and scalable performance products.

Consider a Powerful Trio of Performance

Intel® Solid State Drives when combined with Intel RAID controllers and Premium Features offer significant performance advantages including I/O acceleration. Simply add at least one SSD to your array to improve performance, and reduce power consumption per IOP.



1. Intel Solid State Drives provide rugged and reliable storage performance. SSDs can reach up to 45,000 read IOPs compared to the fastest enterprise hard disk drives that can only reach up to 400 IOPs.
2. Intel® RAID Controllers lower total cost of ownership and provide simple, high-performance data protection for Intel® Server Boards and Systems based on the Intel® Xeon® processor.
3. SSD Cache and FastPath I/O, when combined with an SSD and RAID controller, can accelerate I/O and transactional performance of your array. FastPath I/O nearly doubles I/O performance with up to 150,000 I/O reads per second for SSDs.

TAKE THE NEXT STEP

For more information on architecting a storage solution using Intel® RAID Products, explore www.intel.com/go/RAID

To make Intel® RAID Controllers part of your server environment, please contact an Intel® Channel Partner Program Participant.



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** 150,000 IOPs is possible from Intel's first generation of SAS-2 products such as Intel® RAID Controller RS2BL080, when combined with the SSD Cache with FastPath I/O upgrade feature key. The forthcoming second generation of SAS-2 products will offer even higher performance.

