



- Leading External PCI Express Technology - 20Gb Bandwidth
- Support large number of simultaneous uncompressed HD streams and 2K/4K film
- Support multi-workstations and multi-storages in wide range of streaming workflow application
- Support MAC, Windows and Linux platform

The world's fastest and cost-effective SAN solution with revolutionary PCI-e G2 technology for high definition video workflows

The ExaSAN is designed as a complete solution to be used with multiple workstations that are able to perform concurrent video editing and share volume workflows. The ExaSAN solution involves combining the high-bandwidth properties of the ExaRAID HD with the ExaSAN Gen1 switch and the ExaSAN Gen 2 switch. The solution provides high-speed and highly flexible data sharing capacity, which can be used in general post-production editing and broadcasting solution such as centralizing, ingest, playout and archive.

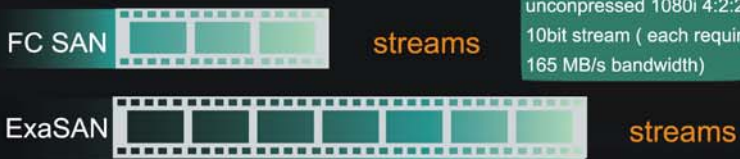
This 20Gb high-speed solution not only reduces implementation costs but also speeds up the production process of digital content, creating unparalleled value for the user.

- ExaSAN—a total solution for SAN infrastructure
- 20Gb ultra-speed high-bandwidth-External PCI Express technology
- Support multi-streams access from a single shared ExaRAID HD
- ExaSAN Gen 1 Switch can be connected to 7 ExaRAID HDs
- ExaSAN Gen 2 Switch is able to support 12 workstations
- Integration with third-party SAN management software, such as Xsan..
- Compatible with Apple, Adobe, Autodesk, GV, and more editing software
- Easy to use, highly cost-effective and high investment returns

FC SAN vs ExaSAN

Simultaneous Final Cut Pro Streams

Simultaneous playback uncompressed 1080i 4:2:2 10bit stream (each require 165 MB/s bandwidth)



ExaSAN using 3U16bay dual independent controllers ExaRAID HD, ExaSAN Gen1 · Gen2 Switch and External PCI Express technology · compared with 3U16bay dual 4G FC disk array and FC Switch solution · Performance tests are conducted using specific computer systems and Xsan 2.

High Performance Cost-Effective

With multiple video streams in a shared SAN environment, bandwidth is often the bottleneck. Due to insufficient bandwidth or high FC implementation costs, The ExaSAN has leveraged a native External PCI Express protocol, which is greatly different from traditional FC. ExaRAID HD's single controller system has a bandwidth of 10Gb, and the dual independent ExaRAID HD controller system has a high bandwidth of 20Gb.D. With ExaRAID HD's 3U 16-Bay dual independent controllers, its speed and performance as well as disk utilization rates exceed twice of those of FC solutions.



A12S-2U12bays Single Controller
A16S-3U16bays Single Controller
A24S-4U24bays Single Controller
A16D-3U16bays Dual Controllers
A24D-4U24bays Dual Controllers



ExaSAN Gen1 Storage Switch
SW09-G1-Support 7 ExaRAID HD



ExaSAN Gen2 Workstation Switch
SW06-G2-Support 6 Workstations
SW12-G2-Support 12 Workstations



External PCIex4 NT-HBA



External PCIex4 Optical Cable
30M · 100M(option)

ExaSAN-SAN Total Solution

The ExaSAN is a complete External PCI Express SAN solution that consists of all SAN components required for SAN deployment, such as the disk array system-ExaRAID HD, ExaSAN Gen 1 Switch, ExaSAN Gen2 Switch, External PCIe optical cable and PCIe HBA. The advantages of a single vendor include the overall ExaSAN framework efficiency and implementation cost.

Another advantage of ExaSAN is the External PCIe optical cable, as 10Gb bandwidth is the highest bandwidth technology available today. The length of External PCIe optical is 10M and up to 100M, which can be used anywhere from a 3-5 person post-production studios to a large-scale SAN architecture in television production.

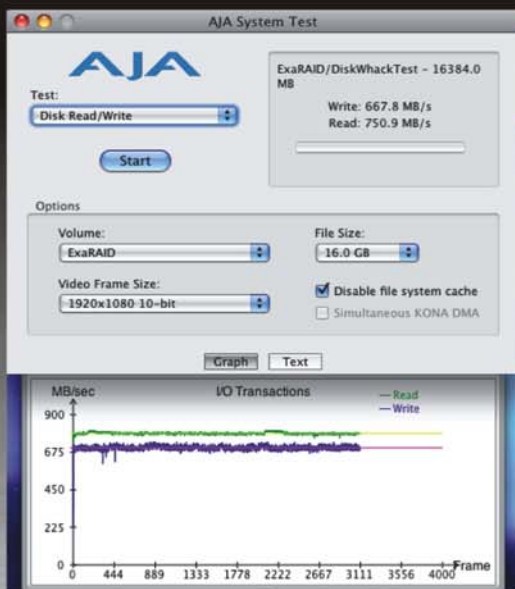
Fully Integration and Compatibility



The ExaSAN can be fully integrated with Xsan and Final Cut Pro systems, which can implement a shared volume and shared editing SAN environment. In addition, ExaSAN

PCIe HBA is also compatible with the non-MAC workstations such as Windows, Windows, Linux and Unix platforms. With SAN management software from MetaSAN and StorNext, users can use workstations with different platforms to access ExaRAID HD media content simultaneously, realizing a viable cross-platform SAN framework. ExaSAN affords users the most flexible workflows and it meets the requirements of multiple applications.

Optimization and Easy to Use



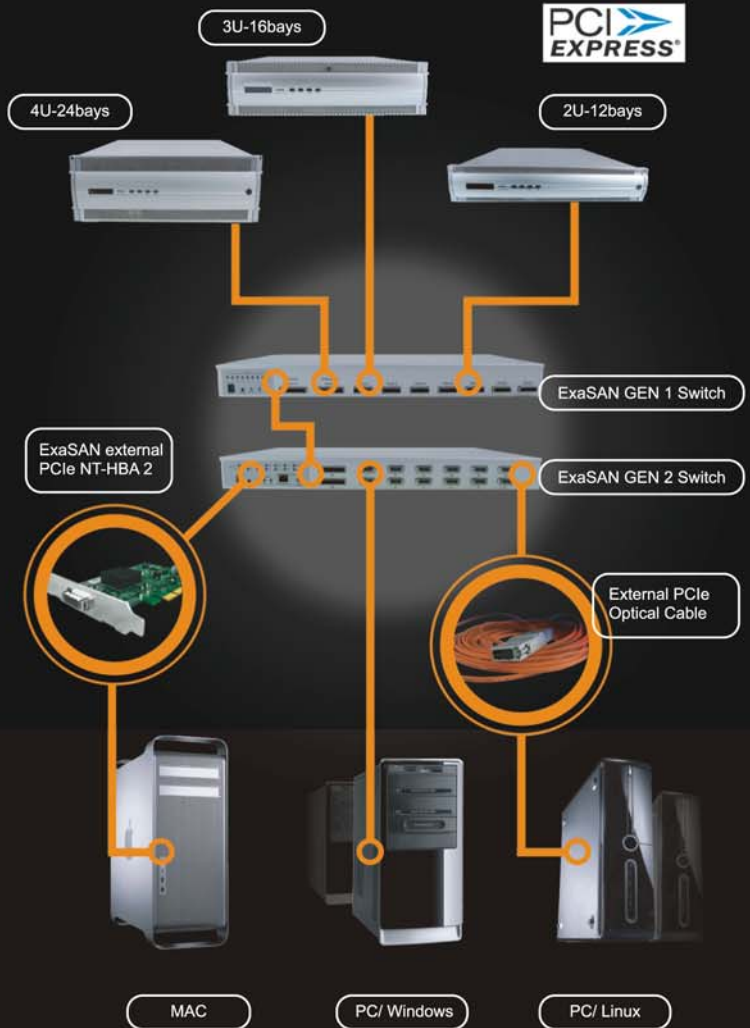
ExaSAN, Designed for post-production and broadcast professional Editor

Since performance and stability play a very important issue for non-linear editing, following the "Performance Equalization Mode" of ExaRAID HD, Accusys is going to provide **SAN Performance Equalization Mode** under the ExaSAN. These enhancements allow users to easily select options to optimize the performance of SAN using the ExaSAN's GUI **RAIDGuard SAN**. For multiple workstations, this not only reduces frame drops due to delays, but maintains sustained performance with high stability.

With RAIDGuard SAN, the user can easily configure the RAID. In addition, the statuses of devices such as hard drives, fans and temperature can also be monitored and managed. Users can also read the link status and perform system firmware updates effortlessly.



Shared Media Contents Solution



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