

Solution Components

ATTO ThunderLink™ FC 1082

- Dual 10Gb Thunderbolt™ with DisplayPort and device display-chain support
- Supports data and display connections over a single cable
- Low Power Consumption

Nexsan E-Series by Imation™

Ultra-reliable, high-density, high performance, efficient storage

- E60VT (360 TB in 4U)
- E48VT (288 TB in 4U)
- E32V (38.4TB in 2U, 2.5" drives only)
- E18V (108 TB in 2U)

About ATTO Technology

ATTO Technology is a global leader of storage connectivity and infrastructure solutions for data-intensive computing environments. ATTO provides solutions that help customers store, manage and deliver data more efficiently. Visit www.attotech.com/solutions for more information.

About Nexsan

Imation's Nexsan portfolio features solid-state optimized unified hybrid storage systems, secure automated archive solutions and high-density enterprise storage arrays. Nexsan solutions are ideal for mission-critical IT applications such as virtualization, cloud, databases, and collaboration; and energy efficient, high-density storage for backup and archiving. There are more than 11,000 customers of Nexsan solutions worldwide with more than 37,000 systems deployed since 1999. Nexsan systems are delivered through a worldwide network of cloud service providers, value-added resellers and solutions integrators.

Scalable Thunderbolt™ Storage with ATTO and Nexsan

Need scalable high performance storage using Thunderbolt™? Thunderbolt is well recognized for its speed and ability to share devices between systems but up to this point there have been limited capacity and performance offerings for Thunderbolt storage solutions. Now, combined with ATTO's qualified Thunderbolt technology enabled by ThunderLink™ Desklink Devices, media and entertainment end-users can now have access to Nexsan E-Series™ by Imation storage solutions that provide high performance access with dense capacity scaling.

Challenge

The media and entertainment industry is undergoing a transformation to all digital content, demanding higher capacities and faster, latency optimized access to SD, HD and 2K/4K content assets for post-production and repurposing while the data management and storage infrastructure must also incorporate performance, capacity, and preservation of these digital assets. Digital media professionals are driving the needs for more sophisticated configurations, which require multiple users to share a "pool" of storage for continuous access to large amounts of data.

Solution

ATTO has worked closely with the Thunderbolt development community to support the Thunderbolt 2 connectivity that is also found in the new Mac Pro. The ATTO ThunderLink FC 1082 Desklink Device provides connectivity to Nexsan's E-Series for Thunderbolt technology-enabled devices allowing for an integrated workflow for post-production and backup. ATTO's Thunderbolt enabled Desklink Devices convert the Thunderbolt protocol to Fibre Channel, enabling seamless integration of both desktop and mobile computer platforms into an existing Fibre Channel SAN. With the same technology and features as ATTO's Celerity™ Fibre Channel host bus adapters, which includes Advanced Data Streaming (ADS™) for fast, smooth and reliable data transfer, ATTO's ThunderLink FC 1082 has been tested and certified with Nexsan's E-Series storage, offering an efficient and powerful storage solution for today's high performance computing environments.

Nexsan E-Series storage solutions deliver efficiency and ease-of-use to help the media & entertainment industry add more capacity while lowering overall power, space and cost requirements. Innovative ease-of-use functionality makes deploying and managing storage as simple as possible for the resource constrained IT administrator. The E-Series delivers density and power efficiency for the smallest storage footprint by consuming less than one third the power in one third the rack space as typical storage arrays.

Benefit

Desklink devices deliver cost savings by increasing your ROI on existing technology while enabling high-performance, low latency capabilities to all-in-one systems, laptops and integrated computers for storage and network connectivity. Combined with Nexsan E-Series, organizations will consume less than one-third of the power in one-third of the rack space of typical arrays. This results in efficiency, performance, scalability and reliability throughout the production process.

