Connectivity for rich media creation, production, and distribution

ATTO 10Gb Ethernet Network Interface Cards and EMC Isilon scale-out NAS enable high-speed storage solutions for media workflows

ESSENTIALS

- Easy deployment into existing media and entertainment workflows via ATTO FastFrame 10GbE network interface cards

- Consolidate workflows into a single, scalable volume and access digital assets across multiple workflows concurrently

- The ease-of-use of a shared network volume with EMC Isilon scale-out NAS

- High performance and flexibility for scenarios such as remote editing and file access with ATTO ThunderLink Desklink devices

THE CHALLENGE

Today's content creation and production professionals have to do more in less time, and find themselves overwhelmed with moving and storing terabytes (TBs) of data daily, due to:

- The need to distribute in multiple formats

- Increased complexity and pervasiveness of special effects

- Growing use of nonlinear editing

- Editing moving closer to capture, which also introduces requirements for ruggedness and portability

- New technology, such as high-end cameras

- Increased pace of projects

These challenges drive the need to reduce complexity, while simultaneously growing storage capacity. Additionally, most Tier 1 storage traditionally has not been used for bandwidth-intensive Mac® and Windows® workstation-based applications used by content creation and production professionals. They need a flexible, high-performance solution for their demanding workflows.

THE SOLUTION

Broadcasters, motion picture studios, and media professionals worldwide trust EMC® Isilon® to provide the storage foundation for their shared media workflows. The Isilon X200 and S200 hardware platforms are the building blocks of a single scale-out Network-Attached Storage (NAS) volume. EMC Isilon customers leverage the power of an Isilon OneFS® volume to consolidate the storage requirements for editing, media asset management, transcoding, and other workflows.

ATTO Technology's FastFrame™ family of 10Gb Ethernet adapters is an ideal complement to media and entertainment workflows featuring the EMC Isilon family of scale-out NAS solutions. FastFrame makes it possible for Windows, Mac, and Linux clients to achieve the highest performance with low latency using standard file-sharing protocols over new and existing 1GbE and 10GbE networks.

ATTO FastFrame is:

- Aggressively performance-tuned for sequential streaming workloads

- Based on a proven architecture: ATTO's 25 years' experience in high-performance storage connectivity products plus Intel's proven Ethernet technology equals up to 25 percent higher performance for streaming media and content creation

ATTO

SOLUTION OVERVIEW

EMC²®

About ATTO Technology, Inc.

Celebrating 25 years of industry leadership, ATTO Technology, Inc. is a global leader of storage and network connectivity and infrastructure solutions for data-intensive computing environments. ATTO provides a wide range of end-to-end solutions to help customers better store, manage, and deliver their data. With a focus toward markets that require higher performance, ATTO manufactures host bus adapters, RAID adapters, network adapters, RAID storage controllers, Thunderbolt™-enabled Desklink devices, bridges, switches, and software. ATTO solutions are based on providing a high level of connectivity to all storage interfaces, including Fibre Channel, SAS, SATA, iSCSI, 10GbE, FCoE, and Thunderbolt. ATTO distributes its products worldwide through original equipment manufacturers (OEMs), systems integrators, value-added resellers, and authorized distributors. For more information, visit www.attotech.com or follow ATTO Technology on Twitter, Facebook, and LinkedIn.

Additionally, the ATTO ThunderLink™ NS 1101 and ThunderLink NT 1102 provide high-performance, low-latency Ethernet connectivity for Thunderbolt-enabled laptops, portables, Ultrabooks, and all-in-one systems into the EMC Isilon platform. This provides creative professionals with direct access to EMC Isilon storage from their mobile computer systems.

A network featuring ATTO 10GbE connectivity offers EMC Isilon users:

- An easily expandable and managed storage solution that can simplify many of today's complicated workflows
- High-speed 10GbE interconnects for collaborative workflows that include Windows, Linux, and Mac OS X
- An economical, simple-to-administer 10GbE solution for real-time access to shared volumes
- High performance and flexibility for scenarios such as remote editing and file access
- The ability to connect Thunderbolt-enabled laptops and all-in-one platforms to EMC Isilon storage

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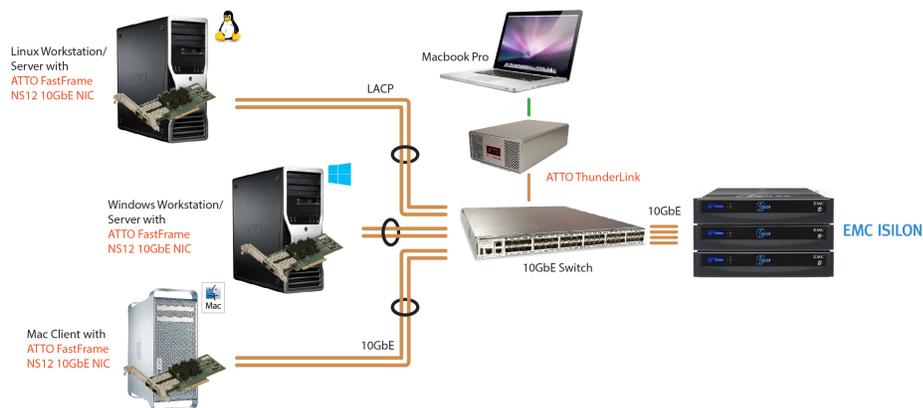
To learn more about how EMC products, services, and solutions can help solve your business and IT challenges, contact your local representative or authorized reseller—or visit us at www.EMC.com/Isilon.

CONCLUSION

Media and entertainment workflows require high-performance storage solutions along with the ability to rapidly add new users and content. A workflow based on open network file-sharing protocols and the effortless scalability of EMC Isilon OneFS allows media and entertainment professionals to rapidly adapt to changing production requirements, ever-increasing content storage requirements, and increasingly complicated workflows. EMC and ATTO Technology provide flexible tools based on open protocols that easily adapt to your needs, while reliably supporting your tight production schedules.

To learn more, visit www.attotech.com/solutions/EMC/

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