

ATTO, EMC Isilon and Arista Enable High-Performance Media Workflows

ABOUT ATTO TECHNOLOGY, INC.

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 better help customers store, manage and deliver their data. With a focus toward markets that require higher performance, ATTO manufactures host adapters, RAID adapters, network adapters, storage controllers, Thunderbolt™ devices, switches and software.

ABOUT EMC ISILON

EMC is a global leader in enabling businesses and service providers to transform their operations and deliver information technology as a service (ITaaS). Fundamental to this transformation is cloud computing. Through innovative products and services, EMC accelerates the journey to cloud computing, helping IT departments to store, manage, protect and analyze their most valuable asset — information — in a more agile, trusted and cost-efficient way

ABOUT ARISTA

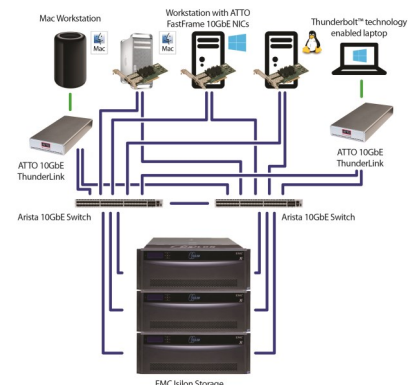
Arista Networks was founded to deliver software-driven cloud networking solutions for large data center and computing environments. Arista offers a broad portfolio of Gigabit Ethernet solutions including 1,10,40 and 100GbE switches that redefine network architectures, bring extensibility to networking and dramatically change the price/performance of data center networks. At the core of Arista's platform is EOS (Extensible Operating System), an advanced network operating system, designed to build software driven cloud networks. EOS provides a single image consistency across hardware platforms and a modern core architecture enabling in-service upgrades and application extensibility.

CHALLENGE

For demanding applications such as Ultra HD, 4K and 2K video editing, managing network bandwidth and latency becomes crucial. Media workflows require low-latency, high performance 10GbE connectivity in order to meet the needs of high-resolution projects. The network and storage infrastructure must be simple to operate, manage and scale, and should include features to monitor performance. Furthermore, the solution components should provide the measure of assurance that comes from guaranteed interoperability and a proven track record of reliability.

SOLUTION

ATTO Technology Inc. FastFrame™ 10GbE network adapter and ThunderLink® Thunderbolt™ 2 to 10GbE devices, in combination with a low-latency 10GbE switch from the Arista 7050 product family and EMC Isilon scale-out network attached storage (NAS), provide reliable performance for even the most demanding media and entertainment applications. Content creators benefit from the ease of use of a shared network volume and throughput previously restricted to a complicated Fibre Channel storage area network (SAN). The solution also accommodates portable workbooks and all-in-one platforms in an easily expandable and managed storage infrastructure that will simplify many of today's complicated workflows.



BENEFITS

- Economical, simple-to-manage 10GbE solution for real-time access to shared volumes
- 10GbE network connectivity enables high-performance applications with Windows®, Linux® and macOS® workstations and servers
- Connect Thunderbolt enabled workbooks and all-in-one platforms to EMC Isilon storage
- ATTO's proprietary Advanced Data Streaming (ADS™) Technology manages network latency to provide high-performance media file transfers and reliable playback of streaming media
- Effortless scalability of EMC Isilon OneFS allows content creators to rapidly adapt to changing production requirements, ever-increasing content storage requirements and increasingly complicated workflows
- Arista switches scale seamlessly to application and storage demands and provide industry leading power efficiency
- Arista EOS advanced features provide control and visibility with single point of management

SOLUTION COMPONENTS

- ATTO Technology FastFrame NS14, NS12, NS11, NT12, NT11 10GbE network interface cards (NICs)
- ATTO Technology ThunderLink NS 2102, NT 2102, NS 2101 10GbE devices
- EMC Isilon OneFS Scale-out NAS X410 storage
- Arista DCS-7050SX Series 10/40GbE data center switch