

SOLUTION BENEFITS

- ATTO 10GbE Ethernet products provide high-performance, flexible and scalable connectivity for high-bandwidth content creation environments
- Advanced Data Streaming (ADS™) Technology maximizes CPU processes to deliver smooth and reliable data transfers and the highest consistent performance
- Avid's NEXIS family provides a range of shared storage solutions for high-end broadcast and enterprise environments to smaller post production houses
- Allows users to control bandwidth and create collaboration groups
- Support for a range of editing software in addition to Avid Media Composer, including Adobe Premiere Pro CC, Grass Valley EDIUS, Autodesk Smoke, Apple Final Cut Pro X and Blackmagic DaVinci Resolve

SOLUTION COMPONENTS

- ATTO Technology NS 2102, NS 2101, NT 2102 ThunderLink 10GbE Thunderbolt Devices
- FastFrame NT12 and NS12 NICs
- Avid NEXIS / NEXIS | PRO

CHALLENGE

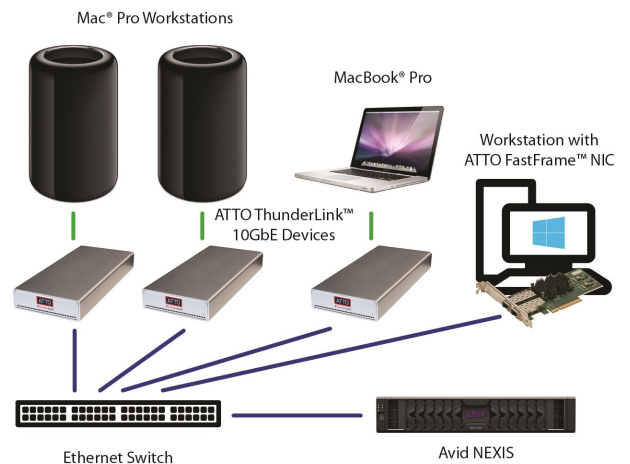
Media post-production environments ranging from high-end broadcast facilities to small, independent studios require storage solutions that allow multiple contributors to collaborate on projects. The higher resolution and frame rate requirements of 4K and Ultra HD formats also call for low latency storage infrastructure that is capable of handling the data-intensive needs of high-bandwidth content creation.

Professional media editing workflows frequently incorporate Mac Pro® desktop and mobile workstations. With the latest generation Mac Pro, however, Thunderbolt™ is the only connectivity option, making a Thunderbolt adapter or Thunderbolt-enabled expansion chassis a requirement for connecting Mac Pros to high-performance storage.

Traditional workstations used in editing workflows also require reliable high-performance connectivity from network interface cards (NICs) that are flexible to be used across varied operating systems such as Windows and Linux.

SOLUTION

ATTO Thunderbolt devices are purpose-built adapters incorporating 10GbE, Fibre Channel or SAS/RAID connectivity. ATTO Technology NS 2102/2101 and NT 2102 Thunderbolt-enabled devices convert the Thunderbolt protocol to 10Gb/s Ethernet, enabling seamless integration of both desktop and mobile workstations into Ethernet-connected shared storage systems like Avid NEXIS. ThunderLink Thunderbolt devices additionally feature Advanced Data Streaming (ADS™), a proprietary latency management technology that provides best-in-industry aggregate bandwidth and predictable data transfers for high-performance, low-latency applications.



Workgroup configuration with ATTO ThunderLink 10GbE Thunderbolt devices and FastFrame NICs connecting both desktop and mobile workstations to Avid NEXIS storage



ATTO 10GbE Devices and Avid NEXIS Storage

HIGH-PERFORMANCE CONNECTIVITY FOR DESKTOP AND MOBILE WORKSTATIONS

ABOUT ATTO

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. Our experience in engineering advanced technology into real-world product solutions provides customers with a unique competitive advantage.

ABOUT AVID

Avid is the world's leading provider of audio and video technology for media organizations and independent professionals. Customers use Avid solutions to create, distribute, and monetize the most prestigious and award-winning films, videos, music recordings, TV shows, live concerts, and news broadcasts.

ATTO's FastFrame 10GbE NICs let users connect to high-speed 10GbE networks via copper or optical cabling. ATTO's FastFrame supports a wide variety of operating systems, including certification with Avid NEXIS in Windows and Linux environments. A low power-consumption profile and managed latency enables a high ROI and lower OPEX in terms of data transferred per dollar spent on power, ideal for enterprise and broadcast-level networks. FastFrame NICs also provide the throughput necessary to enable editing of multiple streams of 4K video. ATTO's 10GbE optical NICs ship with SFPs included, helping to reduce expenses in designing a 10GbE network.

Avid NEXIS high-performance shared storage systems allow for real-time editorial collaboration with performance that accelerates media workflows. The advanced Avid NEXIS file management system enhances collaboration and maximizes production efficiency by enabling editors to work with a host of tools from Adobe, Apple®, Grass Valley, Autodesk and Blackmagic Design. With solutions ranging from entry-level to enterprise, NEXIS shared storage systems provide the power, reliability, and storage capacity required to sustain real-time workflows in the most demanding environments, regardless of workgroup size.

ATTO 10GbE devices have been certified by Avid for use with its NEXIS family storage arrays. The combined solution benefits both from ATTO's extensive experience in designing products and our 20-plus-year partnership with Avid. Whether your production requirements involve workstation connectivity for a small workgroup or dozens of editors collaborating on projects, a combined ATTO-Avid solution provides a fully tested and supported, high-performance option that can be scaled to meet the needs of workgroup through enterprise environments.

