

SOLUTION BRIEF

ATTO

About ATTO

For over 30 years, ATTO Technology, has been a global leader across the IT and media & entertainment markets, specializing in network and storage connectivity and infrastructure solutions for the most data-intensive computing environments. ATTO works with partners to deliver end-to-end solutions to better store, manage and deliver data.

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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.

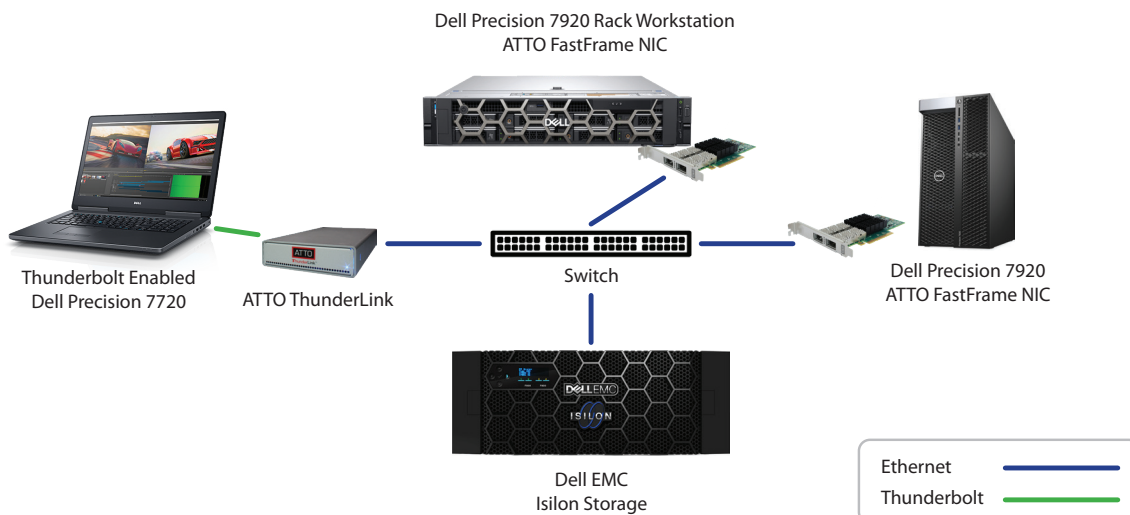
Adobe Premiere Pro® Collaboration Featuring Dell and ATTO

Raising the Bar with DPX workflow support

Adobe Premiere Pro CC® for teams is a feature rich editorial package for content creators that need to work in a collaborative environment to complete professional projects. Premiere Pro integrations with other Adobe CC products like After Effects® and support for multiple shared projects have helped to garner an increase in users creating content across all mediums from feature films to web published content.

When working in team environments, the ability to have access to files originating in various formats is coupled with support for multi-user collaboration throughout the workflow process. When working with multiple clips in uncompressed formats this can tax network access and storage response times especially during play back.

Dell Technologies® Precision™ workstations and EMC Isilon® unstructured data storage joined together with ATTO Technology, Inc. to tackle one of the most pervasively used uncompressed formats-DPX. The combined team wanted to raise the bar with DPX workflow support for Adobe Premiere Pro. They knew it would not be easy. The challenge is present when working with DPX files is the burden that DPX files can place on network systems resources and networked storage when working with these large uncompressed files.



The Power Behind the Storage

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Dell Precision answers the call offering workstations outfitted with powerful graphics, processors and memory, with specially optimized settings for Adobe CC. High-performance, low latency storage is a must have. EMC Isilon H600 & F800 Scale-Out Network Attached Storage Arrays combined with their specialized OneFS File System provide a storage architecture capable of support for the uncompressed pixel dense DPX files. It all comes together when ATTO FastFrame™ NICs and ThunderLink® adapters are introduced to the solution, allowing for low-latency optimized traffic to continuously stream to and from the Isilon Scale-Out NAS. Keeping network traffic flowing and the path to the storage available is paramount to the DPX file support.

The end result is a configuration featuring ATTO, with over 30 years of experience developing high performance, low latency storage and network connectivity solutions for postproduction workflows. The Dell Precision platform and Isilon Scale-Out NAS products offer the key infrastructure technologies to support the individual team members in their creative editorial experience with Premiere Pro CC.

Combined Solution Features

Solutions capable of Multi Layers Uncompressed DPX Each Layer Supports UHD 3840x2160

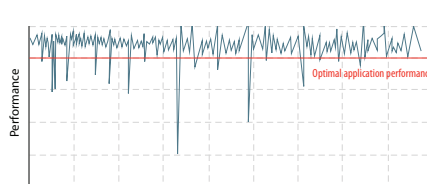
- ATTO Advanced Data Streaming (ADS™) Technology provides controlled latency and acceleration of data.
- ATTO ConfigTool™ - GUI-based utility to locally or remotely manage and monitor the multiple data paths between the workstations and the storage. Helps customize the settings of your ATTO host bus adapter to maximize the performance of your storage connections. Easily identify problem areas to expedite troubleshooting efforts.
- Working with Dell EMC Isilon®, ATTO has developed performance optimizations that take advantage of the latest features deployed in the OneFS filesystem.
- Certified with Dell® Precision™ and Isilon products. Visit the Dell and Dell EMC Solution pages and interoperability page on atto.com for more solution details.

ATTO Products with ADS Technology



Data transfer performance is smooth and reliable

Competitor's Product



Disrupted transfer with peaks and drops

Transfer rate dips below optimal performance levels

Dell EMC Isilon

- Isilon F800



Dell Precision Workstations

- Dell Precision 7920 and 7720



ATTO FastFrame™

- FastFrame NQ42- Dual Port 40GbE



ATTO ThunderLink®

- ThunderLink NQ 3402-Thunderbolt 3 to Dual Port 40Gb Ethernet



Supported Operating Systems

- Windows®
- macOS®

Benefits

- Isilon F800 provides high availability storage responsiveness for file transfers to mitigate dropped frames
- ATTO FastFrame 40GbE NICs and ThunderLink adapters provide low latency steady transfers to the Isilon Scale-Out NAS
- Dell Precision workstations process the render files efficiently and transfer data over the PCIe bus for handoff to ATTO HBAs
- iMac Pro workstations optimize image sequences and transfer data over the PCIe bus via Thunderbolt I/O

How to buy

Dell Sales 1.800.456.3355
ATTO Sales 1.716.691.1999



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