

GAIN THE EDGE BY USING AVID MEDIA COMPOSER WITH JUNIPER QFX SERIES SWITCHES

Deliver a seamless media production workflow experience with AI-driven networking.

Outages. Downtime. Root Cause Investigations.

These frustrating events adversely impact your ability to deliver a seamless media workflow experience. And, for most IT teams the expectation continues, do more with less staff.

Media production networks are business-critical, and their complexity is increasing. Content and resources need to be available at any time, in any place. Network and security policies must also scale automatically and consistently to accommodate new services.

At the intersection of these challenges is your opportunity to use artificial intelligence (AI) and machine learning to simplify network operations. Network automation simplifies planning, design, and operations for network teams. It also reduces configuration errors for a more predictable, reliable, and efficient network.

High-density, high-performance Juniper Networks® QFX Series Switches with AI-powered Juniper Mist™ Wired Assurance give you the edge you need by achieving unparalleled operational efficiency in your Avid media environment.

Avid Media Composer® is Avid® Technology's flagship non-linear media editing suite. Commonly used within the industry, Media Composer can be found editing workflows for documentaries, news reports, feature films, and the latest TV series. Paired with Avid NEXIS® storage, Media Composer is a very powerful media solution.

Automate Your Avid Production Network

Media content teams can choose which switch manufacturer to use in their media workflows. So, why Juniper?

Media customers using Avid know that Juniper QFX Series Switches deployed within their studio production networks create a strong foundation for flexible and high-performance fabrics that improve network reliability and agility. QFX Series switches satisfy the needs of today's most demanding media data center environments with a high-density platform designed for top-of-rack, end-of-row, and spine-and-core aggregation deployments.

QFX5120 Switch

The Juniper Networks QFX5120 Switch is designed to secure and automate the data center network. It has been fully tested with Avid workloads and is fully approved for deployment with Avid NEXIS both as an edge access switch and NEXIS-connected switch with Link Aggregation Control Protocol (LACP), Juniper Virtual Chassis, and in multichassis link aggregation (MC-LAG) configurations.

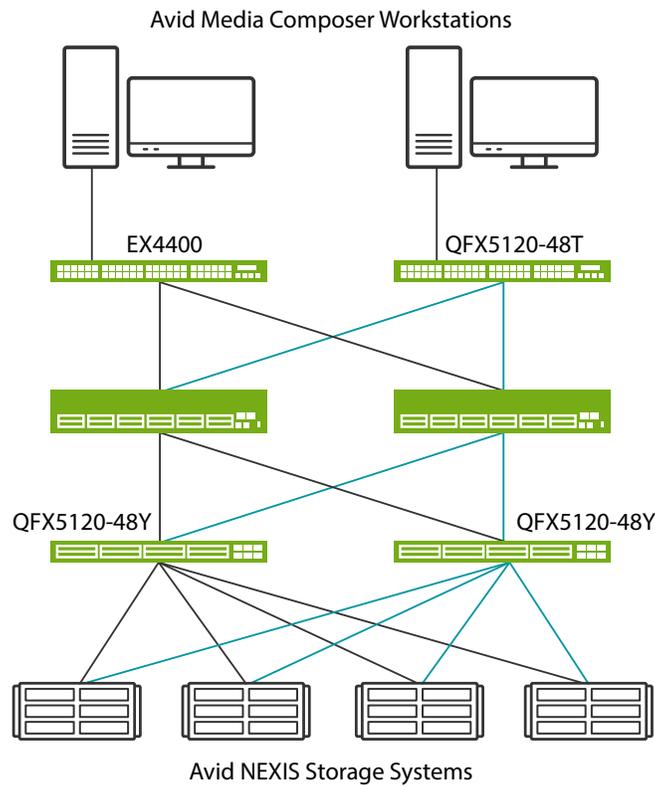


Figure 1: Avid reference architecture with Juniper switches. The QFX5120 Switch connects to Avid NEXIS storage and both QFX5120 switches and the Juniper Networks EX4400 Ethernet Switch connect to Avid Media Composer clients

The QFX5120 Switch scored grade three performance and grade three resilience on the Avid NEXIS Network Switch Infrastructure matrix and these are documented in the latest Avid Network and Switch guide.

The QFX5120 Switch runs Junos® operating system, Juniper’s powerful and robust OS that powers all Juniper switches, routers, and firewalls. Key Junos OS features that enhance the functionality and capabilities of the QFX5120 include software modularity, uninterrupted routing and forwarding, commit and rollback functionality, and a powerful set of scripts for on-box problem detection, reporting, and resolution.

Juniper Mist Wired Assurance

More than connectivity, the QFX5120 Switch brings the power of Juniper Mist Wired Assurance, as well as options for simple deployment of overlay technologies.

Juniper Mist Wired Assurance is a cloud service that sets a new standard from network management to AI-driven operations, by delivering better experiences for connected devices through AI-powered automation and service levels with QFX5120 switches.

It encompasses simplicity every step of the way—starting with seamless onboarding and autoprovisioning, to streamlined management and troubleshooting. Juniper Mist Wired Assurance leverages rich Junos OS telemetry to enable simpler operations, shorter mean time to repair, and improved visibility into end-user experiences for wired devices.

And of course, there’s Marvis Virtual Network Assistant that fundamentally transforms network operations from reactive troubleshooting to proactive remediation through self-driving actions. The conversational interface allows administrators to ask natural language questions such as “Show me switch ports with missing VLANs.”

Deploy Juniper Switching with Confidence

The Juniper Networks QFX5120 Switch is fully approved by Avid Technology for use with Avid NEXIS storage, and that means you can deploy within your media production environments with confidence. With the combination of zero-touch provisioning for ease of deployment and Juniper Mist Wired Assurance, there's less time spent managing and performing network troubleshooting.

The QFX5120 Switch will deliver the high scale, high availability, and high-performance routing and switching that your media production environment needs so your creators can perform at their best.

Next Steps

Read the Avid Knowledge Base: Avid NEXIS Network Switch Infrastructure at https://avid.secure.force.com/pkb/articles/en_US/Compatibility/Avid-NEXIS-Network-Switch-Infrastructure

Read the Avid NEXIS Network and Switch Guide (October 2021)

at https://resources.avid.com/SupportFiles/attach/AvidNEXIS/AvidNEXIS_Network_Switch_Oct2021.pdf

To learn more about Juniper solutions for media and entertainment, visit www.juniper.net/us/en/solutions/media-and-entertainment.html.

About Juniper Networks

At Juniper Networks, we are dedicated to dramatically simplifying network operations and driving superior experiences for end users. Our solutions deliver industry-leading insight, automation, security and AI to drive real business results. We believe that powering connections will bring us closer together while empowering us all to solve the world's greatest challenges of well-being, sustainability and equality.

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