Artel in Action

Well, after two cancelled NAB Shows in 2020 and 2021 and a few more months of uncertainty about the fate of the 2022 show, we finally converged on Las Vegas once again, and it felt great to be back together with friends and colleagues!

While we were apart, we all kept on improving our products and services. The work we've done makes the entire ecosystem better, and you could see it everywhere you looked at NAB.

We noticed a few big trends at the show this year, all to do with making it easier and more efficient for broadcasters to run their facilities and get content where it needs to go. One was software-defined functionality, which was prevalent across the show. We also saw the use of compression engines for onboarding media to the cloud.

And speaking of trends, IP networking based on SMPTE ST 2110 continues to be front and center in production environments. The industry realizes that it will be evolutionary in most cases, so now the challenge is adapting and interfacing SDI into ST 2110 workflows. IP networking technology can be hard to manage.

So the main mission for a lot of people at NAB was to find ways to simplify their hybrid IP/SDI or all-IP operations ... so they can concentrate on delivering high-quality viewer experiences rather than spending time and effort getting the

infrastructure to work. Basically, they want it to be so simple that they can forget it's even there.

Artel sits in the sweet spot where all those trends meet. Simplicity and efficiency is what the people want, and that's just what Artel brings.

At the 2022 NAB Show, we demonstrated our SMART Multimedia Delivery Platform for openGear (SMART OG) and DigiLink/InfinityLink systems (SMART DL/IL), Quarra IP PTP switches, and the FiberLink family of media transport products.

With the Quarra demo, people got a look at its flexibility and ease of use. Quarra switches support SMPTE ST 2110 and ST 2059-2, permitting interoperable use of IP-based media equipment with conventional genlocked SDI equipment. Likewise, the FiberLink ST 2110 gateway demo showed the evolutionary approach of adapting legacy SDI signals into an ST 2110 environment.

As for the SMART OG and SMART DI/IL, this demo highlighted the SMART platform's support of compression engines (J2K and JPEG-XS) and their flexibility. Attendees saw how they could enable different functionality on the installed hardware just by selecting different modes in the software. The simplicity and ease of use really resonated.
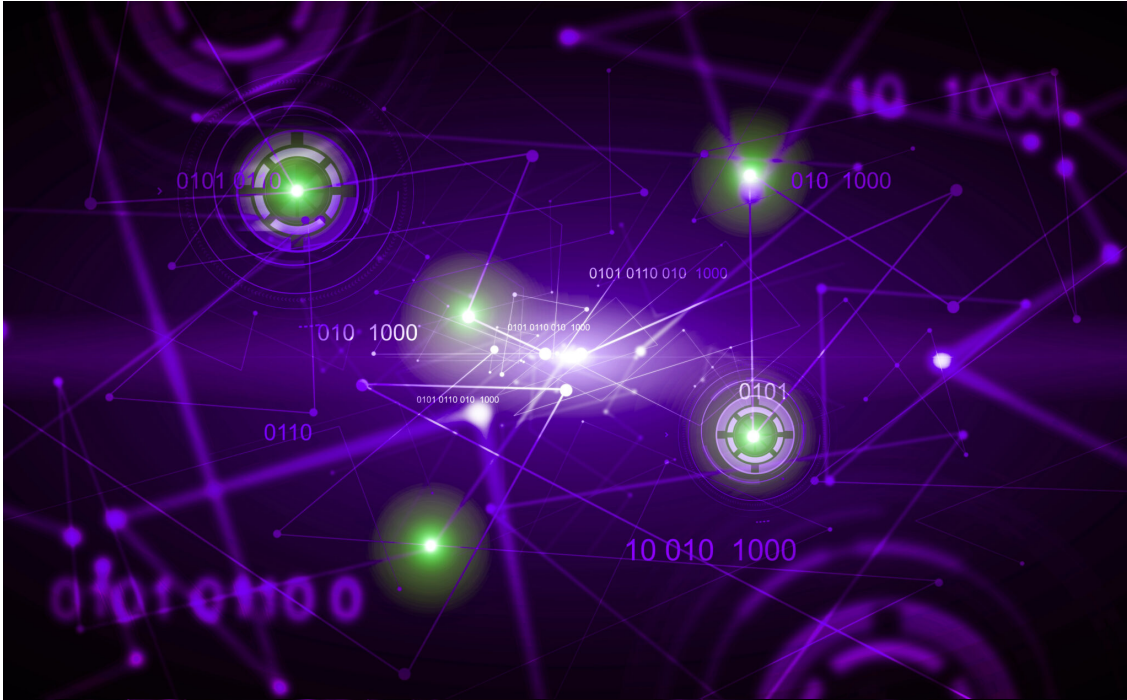
The demos showed how Artel's products give broadcasters a heaping helping of operational simplicity, flexibility, and scalability as they transition to IP and as they move to optimize their IP-based operations and workflows.

Looking ahead, we see the SMART platform as our technology "seed" for new functions across product lines. Besides the OpenGear version, right now the SMART platform is also available in our InfinityLink and DigiLink product lines, with functionality that is inherited from one family to the other. But as we continue to incorporate new functions into the SMART platform, we're planning to apply them to the FiberLink family as well. FiberLink products will "inherit" the functionality already developed for the DigiLink and InfinityLink families.

We are happy to be back!
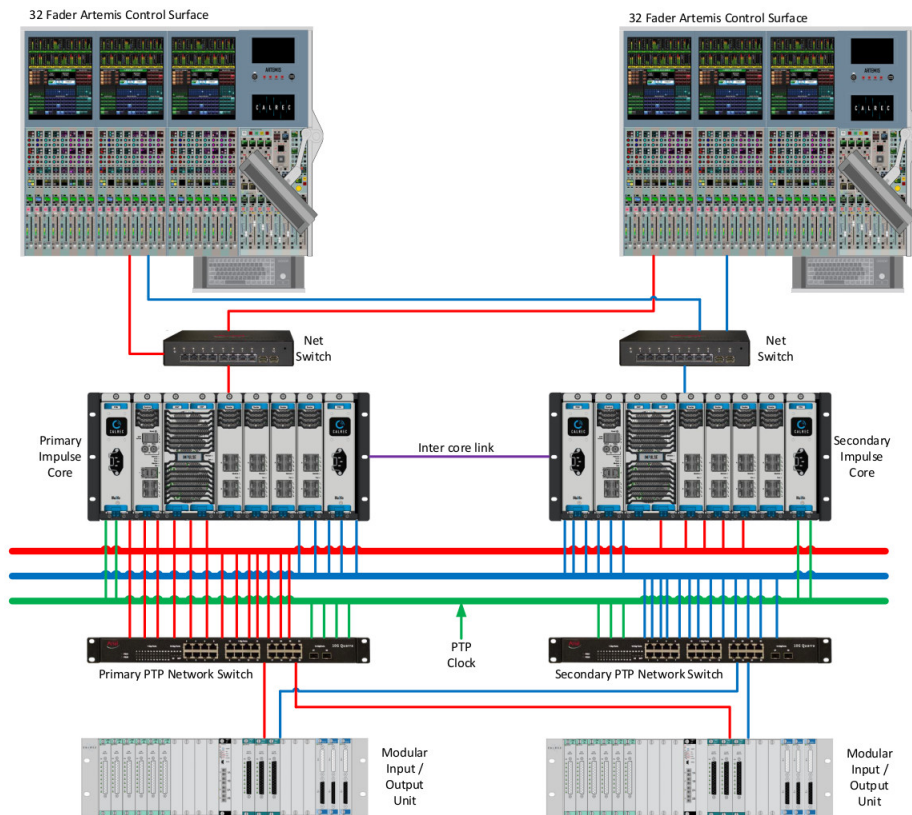
Artel Video Systems

Lessons Learned Part 4: Ensuring Interoperability

If you've been following along at home, you know that the first three blogs in this "lessons learned" series dig into the benefits of PTP-aware switches in an IP environment, correct handing of Precision Time Protocol (PTP) data to ensure proper timing and synchronization in IP-based media workflows, and the actual movement of video, audio, data, control, monitoring, intercom, and other signals over the IP network. We shift gears just a bit with this blog to look more closely at interoperability — or, making sure everything works!

Read more

Calrec and Artel Collaboration

32 Fader Artemis Control Surface · 32 Fader Artemis Control Surface · Net Switch · Net Switch · Primary Impulse Core · Inter core link · Secondary Impulse Core · PTP Clock · Primary PTP Network Switch · Secondary PTP Network Switch · Modular Input / Output Unit · Modular Input / Output Unit

Calrec and Artel

When Calrec introduced its first IP radio product several years ago, the company began to look for switch manufacturers whose products would pair well with new and future IP-based product releases, starting with its Type R modular, expandable, IP-based mixing system.

Artel's Quarra PTP family of Ethernet switches fit the bill. In fact, the fit was so good that Calrec since has incorporated the Quarra into many of its demo kits.

Read more

Flexible Solutions: Meeting Your IP Requirements

FLEXIBLE REAL-TIME MULTIMEDIA DELIVERY THROUGH INTEGRATED NETWORKING

Artel has more than 30 years of experience designing and manufacturing mission-critical media delivery solutions. Here are a few of our IP solutions to meet your migration needs:

- SMART openGear: openGear, software-defined, J2K, JPEG-XS
- QUARRA: Audio over IP, PTP switching, AES67, SMPTE 2110
- SMART: Media transport, software-defined, SMPTE 2022-7, J2K
- FiberLink: Media Transport, fiber, IP, ST2110, 12G for Pro AV solutions
- Visit our website's Product Selector to see more IP solutions

Events: Connect With Us at These Upcoming Events

Trade shows and other events provide an opportunity to learn how new IP ecosystems are unfolding. Visitors have an opportunity to share their plans and ask questions while receiving an overview of Artel's IP-centric solutions being showcased in active, integrated network demonstrations.

Artel is pleased to announce our participation in the following trade show:

- **IBC 2022**, September 2022
- **NAB NY 2022**, October 2022

As we approach these events, watch for product previews and other announcements that will be posted on our blog.

Stay Connected

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