

# ATX innovations

At the SCTE Cable-Tec Expo in Philadelphia this September, ATX Networks featured its newly expanded MAXNET II and SignalOn 1.218GHz bandwidth RF management platforms. Both modular platforms have been expanded to 1.218GHz bandwidth to support the complete frequency range of DOCSIS 3.1 specifications.

MAXNET II is an ultra-dense, MCX/F connector-based RF solution with SNMP/web remote control/monitoring. New to the line are high output GaN driver amplifiers and broadcast/narrowcast combiner passives. SignalOn is a high density, F/BNC connector-based RF/L-Band solution. It also offers patented Make-Before-Break (MBB) JXP pad sockets so that the RF path is never interrupted. ATX also offers its MAXNET

original F/BNC connector-based fully integrated 5-1002MHz RF signal management platform. Active products in all three series include amplifiers, power supplies, RF detector A/B switches and analogue return optical receivers.

ATX also showcased next-generation gateways and a monitoring server at the exhibition in the form of its latest UCrypt IP to Analogue (IP2A) gateway, QAM to Analogue (Q2A) gateway and gateway monitoring server. On its booth at the exhibition, the company also presented its VidiPlay middleware as part of its complete end-to-end enterprise IPTV solutions for local or private IP networks. The system includes UCrypt® gateways, DigiVu® II encoders, VersActive® Pro transcoders and VidiPlay middleware.

For more information, see [www.atxnetworks.com](http://www.atxnetworks.com)

## Tough cable for harsh environments



Fibre optic broadcast cable is often subject to harsh field deployment conditions or high-efficiency broadcast installation requirements. Sporting events are among broadcast's toughest venues, requiring the rapid pulling of miles of field-deployable fibre optic cable across fences, through water, around rough-hewn rodeo arenas and along frozen ski slopes or blazing racetracks. Remote broadcasts demand the brisk

deployment of dozens of strands of cable to cameras that fly over football fields, hang from cranes and are then re-gathered and thrown into crates to be shipped to the next venue.

Remote broadcasting specialists, such as IMS Productions, are involved with such rigorous field environments throughout the year. The cable that it uses for all the field events that it covers is deployable broadcast-quality fibre manufactured by Optical Cable Corporation (OCC). The broadcast quality of this fibre cable is high enough to meet the 4K ultra-high-definition broadcasting standard that IMS Productions is currently field-testing with Time Warner Cable Sports.

"Our installations range from extremely hot to extremely cold temperatures," IMS Productions told *Broadband Journal*. "For example, this year we covered the Alberta Alpine Ski event in Calgary, Canada. At that venue, we trenched down into the snow with a chain saw to bury the cable so that groomers could pack snow over the top to help protect the cable. In total, we laid about 50,000 ft. of fibre running all the way up the side of the mountain."

For more information, see [www.occfiber.com](http://www.occfiber.com)