

# Advanced Network Solutions Optimized for DOCSIS®

## 3.1 Roll-outs

23 September 2014

### **Deploy Aurora Networks' headend, node and return technology to ready networks for next-generation services**

Aurora Networks, a Pace company, and a leading developer and manufacturer of advanced, next-generation Optical Transport and Access Network solutions for broadband networks that support the convergence of video, data and voice applications, today outlines how its suite of solutions are primed for DOCSIS 3.1 services. The solutions include its latest high-density transmitter technologies, industry-leading node platforms and its Universal Digital Return™ Technology.

#### **Headend Transmitter Technology**

Aurora's recently launched double-density transmission system - HT3541H full spectrum and HT3300H 1310 nm transmitters - and its HLP4800 high-density transmission platform, SUPRALink® SPL7210, full spectrum DWDM universal and PWRLink® II PWL4200 DFB transmitters, are 1.2 GHz capable.

#### **Scalable Optical Node Platforms**

Aurora's industry-leading NC4000 scalable optical node platform now supports extended operation to 1.2 GHz with a 250 MHz-ready upstream. Similarly, Aurora's latest node, the AN2 ultra high output compact node, is a 1.2 GHz platform with a 250 MHz-ready upstream. Moreover, all platforms continue to support all the advanced modules needed to support next-generation services.

#### **Universal Digital Return Technology**

Upgrading to the higher return bandwidth supported by DOCSIS 3.1 specifications can be very expensive. Aurora's Universal Digital Return technology is a very efficient solution. It has built-in upgrade capability for both the transmitter and the receiver to support up to twice the return path bandwidth and single or dual return segments per wavelength; cable operators can deploy a 5-42 MHz system today which will also support a 5-85 MHz return path, when needed, at no additional cost. No expensive "rip-and-replace" needed. Moreover, digital return technology is available to support a return path of 200+ MHz, with no performance degradation.

#### **What Aurora Networks Says**

"With the imminent launch of DOCSIS 3.1 services, it is critical that operators ready their networks today to take advantage of all the features of this new specification," said Scott Weinstein, vice president of marketing, Aurora Networks. "With our industry-leading technology, Aurora Networks' solutions are the obvious choice."

## **About Aurora Networks**

Aurora Networks, a Pace Company, is a leading developer and manufacturer of advanced, next-generation Optical Transport and Access Network solutions for broadband networks that support the convergence of video, data and voice applications. Using its understanding of cable networks, the company delivers solutions such as its fiber deep architecture and digital return technology, to help solve critical network bandwidth capacity constraints. Aurora's solutions offer best-in-class functionality, providing savings in power, space and operating expenses, whilst leveraging existing network investments. To learn more about Aurora Networks' core solutions, please call +1 408-235-7000 or visit [www.pace.com](http://www.pace.com).

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