

Aurora Networks Arms Cable Operators with a Complete Segmentation Toolkit

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Widest segmentation offering enables cost-optimization for cable operators

SANTA CLARA, Calif., April. 5, 2011 - Aurora Networks, Inc., announced today that it offers the widest segmentation toolkit in the industry. The toolkit further demonstrates how the company continues to innovate with technology to help cable operators cost-effectively increase network bandwidth.

Aurora Networks' segmentation toolkit includes cost-effective products for both the downstream and the upstream paths. An extensive optical passives offering enables operators to easily implement full downstream and upstream segmentation for multiple nodes on just one fiber.

What Aurora Networks says

"A proper segmentation strategy exploits the existing network resources to maximize bandwidth-per-subscriber while minimizing capital expenditure. This enables cable operators to achieve a new level of quality-of-experience for the subscriber," said John Dahlquist, vice president of marketing for Aurora Networks. "Aurora's product breadth enables our network architects to evolve our customers' networks, attaining their service goals without wasteful overspending."

Downstream Segmentation Solutions

- **AT3545G 'C'-band DWDM full spectrum transmitters** — This transmitter family is designed to work in multiple applications; from transmission of up to 120 narrowcast QAM channels in the 300 MHz to 1 GHz frequency band in a Broadcast/Narrowcast overlay architecture, to a full spectrum transmitter application. Full spectrum models are available to support either up to 30 analog channels and 124 QAM channels, or up to 79 analog channels and 75 QAM channels, or 154 QAM channels, in the 54 MHz to 1 GHz frequency band. The opportunity to evolve networks to full QAM capabilities can enable a seamless migration for future CMAP (Converged Multiservice Access Platform) deployments.

With up to 16 wavelengths per fiber in full spectrum applications, fiber utilization is excellent for reaches up to 60 km.

- **Broadcast and narrowcast overlay** — With up to 40 narrowcast wavelengths supported along with the broadcast services on just one fiber, and at extended reaches, this system provides operators with the most flexibility and scalability. The broadcast and narrowcast overlay system rounds out the downstream segmentation solutions to utilize the full network spectrum in order to provide for growing narrowcast services with greater fiber efficiency.

- **LcWDM® 'O'-band full spectrum transmitters** — Cost-optimized for delivering increased bandwidth capacity per fiber for shorter reaches, these industry-leading transmitters support up to eight-wavelengths.

Node Platforms

Aurora Networks offers two scalable, modular node platforms; the NC4000 and the NC2000 Optical Node Platforms.

Both platforms are fully compatible, sharing the same modules and providing support for next-generation access modules, including Node PON™ and Fiber on Demand™.

- **NC4000 Optical Node Platform** — With support for 4x4 segmentation, this platform provides the highest degree of scalability. The modular design enables the platform to be used as a launch pad for new high-capacity services with the addition of next-generation access modules.
- **NC2000 Optical Node Platform** — Boasting a bottom-entry, low-profile design and support for 2x2 segmentation, this platform enables evolution towards new network architectures such as RFoG, RFPON (RFoG plus PON) and GEAPON. With support for mains power connectivity, this solution can reduce installation complexity making it optimal for delivering new services to customers in multiple-dwelling units.

Upstream Solutions

Aurora Networks digital return technology is optimized for segmentation, with more than 80 return segments supported on just one fiber. The company's very cost-effective CWDM solution supports up to 15 wavelengths. For even greater reach and fiber efficiency, the DWDM solutions support up to 40 wavelengths.

About Aurora Networks

Aurora Networks is evolving cable by focusing on innovative solutions that build future-proof networks to accommodate the cable subscriber services of today and tomorrow. Aurora Networks is the only pure-play optical transport solution provider that is focused solely on cable operators. Using its proven understanding of cable networks, Aurora Networks delivers unique solutions - such as its Fiber Deep architecture and digital return technology - to address specific issues of the cable industry. A technology leader driven by innovation and industry-firsts, Aurora Networks enables leading cable operators across the globe to compete with a cost-effective, optimized launch pad for next-generation cable services. To learn more about Aurora Networks' core cable solutions, please call 408-235-7000 or visit www.aurora.com.

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