



NEWS RELEASE

Adtran showcases world-first coherent 100ZR QSFP28 demo at OFC

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News summary:

- Multi-vendor OFCnet demonstration displays 100ZR QSFP28 coherent pluggable operating over a metro ring network for the first time
- Coherent 100ZR enables operators to easily and cost-efficiently scale their edge aggregation networks to 100G
- Purpose-built DSP co-developed by Adtran and Coherent Corp. enables pluggable device to comply with 5-watt QSFP28 specification

SAN DIEGO, California--(BUSINESS WIRE)-- Adtran®, Inc., (NASDAQ:ADTN), the leading provider of next-generation open and disaggregated networking solutions, today announced the successful demonstration of its **Coherent 100ZR** technology at OFC, showcasing the industry's first live display of a 100ZR QSFP28 pluggable operating over a DWDM metro ring. The demo shows how operators can benefit from efficient and cost-effective deployment of coherent 100Gbit/s services with minimal power consumption and zero footprint increase. The trial uses the multi-vendor OFCnet network setup with equipment at the Adtran booth as well as the Coherent Corp. and OFCnet booths.

"This demo is a significant milestone for network operators looking to expand their business capabilities. It highlights how our Coherent 100ZR can be easily and affordably integrated into a metro aggregation network, eliminating the need for costly infrastructure changes," said Saeid Aramideh, VP of business development at Optical Engines, Adtran. "This showcase reveals a valuable solution for operators seeking to support higher data rates at



the network edge and highlights the potential for widespread adoption of 100Gbit/s coherent technology. We can't wait to bring these benefits to our customers."

Adtran's Coherent 100ZR is purpose-built for the optical network edge. With its QSFP28 form factor and power specification, it enables easy and cost-effective upgrades to 100Gbit/s data rates by plugging directly into existing head-ends, switches and routers. It offers a wide range of deployment options, from local exchanges and central offices to harsh outdoor conditions such as street cabinets. These benefits are achieved thanks to the transceiver's unique features, including a cost-, space- and power-optimized DSP specifically engineered for 100ZR. Co-developed by Adtran and Coherent Corp., this all-new DSP is unique to the marketplace. Adtran is also developing low-power silicon photonics integrated circuits that will enable even faster and more energy-efficient solutions across a wide range of applications.

"The technology we're showcasing here will be a game-changer for service providers. It offers the ability to easily deploy coherent 100Gbit/s connectivity with compact footprint and lowest power consumption. By bringing coherent technology to the optical edge, we're providing operators with a cost-efficient solution to upgrade edge aggregation networks to 100Gbit/s," commented Ross Saunders, GM of Optical Engines, Adtran. "Our Coherent 100ZR will also boost sustainability by lowering our customers' carbon footprint. What's more, it offers a way to deliver an improved experience for end-users by supporting higher data rates and improved service reliability."

About Adtran

Adtran, Inc. is a leading global provider of open, disaggregated networking and communications solutions that enable voice, data, video and internet communications across any network infrastructure. From the cloud edge to the subscriber edge, Adtran empowers communications service providers around the world to manage and scale services that connect people, places and things. Adtran solutions are used by service providers, private enterprises, government organizations and millions of individual users worldwide. Adtran, Inc. is a wholly-owned subsidiary of ADTRAN Holdings, Inc. (NASDAQ:ADTN and FSE: QH9). Find more at [Adtran](#), [LinkedIn](#) and [Twitter](#).

Published by

Adtran, Inc.

www.adtran.com

For media

Gareth Spence

t +44 1904 699 358

public-relations@adva.com

For investors

Rhonda Lambert

t +1 256-963-7450

investor@adtran.com

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