



Infinera and Corning Achieve World-record 400G Transmission Across 2,400 Kilometers with Infinera’s ICE-X QSFP-DD Coherent Pluggable

San Jose, Calif. – March 6, 2023 – Infinera (NASDAQ: INFN) announced today a record-breaking achievement of delivering a 400-gigabits-per-second (400G) single-wavelength transmission with Infinera’s ICE-X 400G QSFP-DD intelligent coherent pluggable solution across 2,400 kilometers (km) of Corning’s TXF® optical fiber. The transmission distance achieved in this trial is twice the previous record.

The success of the 400G transmission demonstration by Infinera and Corning Incorporated highlights the wide range of applications that can be addressed with this cost-effective and power-efficient solution, better enabling network operators to meet growing bandwidth demands.

The demonstration featured Infinera’s ICE-X 400G intelligent coherent pluggable solution hosted in UfiSpace’s 400G disaggregated core and edge routers across 2,400 km of Corning’s TXF fiber, an ultra-low-loss, silica-core fiber with large effective area. The demonstration leveraged the advanced features supported by Infinera’s line of ICE-X intelligent coherent pluggables, including integrated system-level intelligence, programmable modulation, tuneable baud rate, efficient spectrum utilization, and 0 dBm launch power.

“This achievement underscores the value of Infinera’s fully vertically integrated and highly programmable line of ICE-X pluggables,” said Robert Maher, Infinera CTO. “It also highlights the value of integrated system-level intelligence in enabling industry-leading point-to-point ZR+ performance even when deployed in third-party elements. ICE-X enables network operators to leverage cost-efficient and power-efficient pluggable solutions across a broad range of network applications without sacrificing performance, manageability, or network resiliency.”

“We are pleased to collaborate with Infinera once again to prove how combined leading-edge technologies can work together to maximize capacity and reach,” said Sharon Bois, division vice president, product line and marketing, Corning Optical Fiber and Cable. “Our TXF fiber enables network operators to transmit more data over longer distances and help connect the unconnected, all while lowering their overall network costs.”

Corning and Infinera will demonstrate this industry-leading data transmission at the Optical Fiber Communication Conference and Exposition ([OFC](#)) March 7-9 in San Diego, California. The demonstration will take place in Infinera’s booth (#4126) using Infinera’s ICE-X 400G XR intelligent pluggables hosted in UfiSpace’s 400G disaggregated core and edge router over 2,400 km of Corning® TXF® optical fiber.

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About Corning Incorporated

Corning (www.corning.com) is one of the world's leading innovators in materials science, with a 170-year track record of life-changing inventions. Corning applies its unparalleled expertise in glass science, ceramic science, and optical physics along with its deep manufacturing and engineering capabilities to develop category-defining products that transform industries and enhance people's lives. Corning succeeds through sustained investment in RD&E, a unique combination of material and process innovation, and deep, trust-based relationships with customers who are global leaders in their industries. Corning's capabilities are versatile and synergistic, which allows the company to evolve to meet changing market needs, while also helping its customers capture new opportunities in dynamic industries. Today, Corning's markets include optical communications, mobile consumer electronics, display, automotive, solar, semiconductors, and life sciences.

About Infinera

Infinera is a global supplier of innovative [open optical networking](#) solutions and advanced optical semiconductors that enable carriers, cloud operators, governments, and enterprises to scale network bandwidth, accelerate service innovation, and automate network operations. Infinera solutions deliver industry-leading economics and performance in long-haul, submarine, data center interconnect, and metro transport applications. To learn more about Infinera, visit www.infinera.com, follow us on [Twitter](#) and [LinkedIn](#), and [subscribe for updates](#).

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This press release contains forward-looking statements, including but not limited to the potential technical, financial and performance capabilities of Infinera's ICE-X pluggable coherent technology. These statements are not guarantees of results and should not be considered as an indication of future activity or future performance. Actual results may vary materially from these expectations as a result of various risks and uncertainties. Information about these risks and uncertainties, and other risks and uncertainties that affect Infinera's business, is contained in the risk factors section and other sections of Infinera's Annual Report on Form 10-K for the Fiscal Year ended December 31, 2022 as filed with the SEC on February 27, 2023, as well as any subsequent reports filed with or furnished to the SEC. These reports are available on Infinera's website at www.infinera.com and the SEC's website at www.sec.gov. Forward-looking statements include statements regarding our expectations, beliefs, intentions or strategies and can be identified by words such as "anticipate," "believe," "could," "estimate," "expect," "intend," "may," "should," "will," and "would" or similar words. Infinera assumes no obligation to, and does not currently intend to, update any such forward-looking statements.