



Infinera Adds Advanced Data Encryption to mTera® Universal Switching Platform

Sunnyvale, Calif. – December 10, 2018, 8:00 a.m. ET – Infinera, provider of [Intelligent Transport Networks](#), announced the availability of new Layer 1 Optical Transport Network (OTN) data encryption capabilities on [Infinera's mTera® Universal Switching Platform](#). As the global threat of cybercrime continues to rise, mTera provides network operators a new approach to further secure their communications networks and protect customer data.

The mTera platform offers network operators the flexibility to define any interface with OTN, Multiprotocol Label Switching-Transport Profile (MPLS-TP) or Carrier Ethernet switching, decreasing network complexity while accelerating new service deployment across metro, regional and long-haul networks.

The Infinera mTera Universal Switching Platform is designed to:

- **Scale** up to 7 terabits per second (Tb/s) in a single shelf or 12 Tb/s in a paired shelf configuration
- **Easily migrate** Synchronous Optical Networking (SONET)/Synchronous Digital Hierarchy (SDH) to packet-optical technologies
- **Minimize regens** with reach of over 5,000 kilometers (km) in terrestrial networks and over 12,000 km in submarine networks

Most solutions on the market bulk encrypt all the data going through a transponder, providing no ability to differentiate services across the interface. Conversely, the mTera platform provides Layer 1 OTN data encryption in a multi-terabit, multi-layer switching platform, enabling network operators to differentiate services by selectively encrypting individual or multiple services. The optional Layer 1 OTN data encryption technology on the mTera platform is enabled via software and can be applied at wire speed to 100 gigabits per second, 10 Gb/s and sub-rate leased line services with Ethernet, OTN or SONET/SDH, as well as other client interfaces.

“Securing customer traffic has never been more important to communications service providers and internet content providers as their networks face increased attacks,” said Uwe Fischer, Senior Vice President, System Solutions Business Group at Infinera. “Best-in-class technology like Layer 1 OTN data encryption on the mTera platform helps network operators create differentiation and expand their breadth of services, all while protecting customer data and privacy.”

The new mTera platform Layer 1 OTN data encryption technology feature is currently available with the latest mTera product software release.

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About Infinera

Infinera (NASDAQ: INFN) provides Intelligent Transport Networks, enabling carriers, cloud operators, governments and enterprises to scale network bandwidth, accelerate service innovation and automate optical network operations. Infinera's end-to-end packet-optical portfolio is designed for long-haul, subsea, data center interconnect and metro applications. To learn more about Infinera visit www.infinera.com, follow us on Twitter @Infinera and read our latest blog posts at www.infinera.com/blog.

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This press release contains forward-looking statements including, but not limited to the financial, operational and technical benefits provided by Infinera's mTera Universal Switching Platform. 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 quarter and year ended September 29, 2018 as filed with the SEC on November 8, 2018, as well 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. Infinera assumes no obligation to, and does not currently intend to, update any such forward-looking statements.