



## Infinera and Arista Validate Performance of Low-Latency, High-Bandwidth Datacenter Interconnect Solution

**Sunnyvale, Calif. – Nov. 4, 2015** – Infinera, provider of [Intelligent Transport Networks](#), announced an independent test report validating an Infinera-Arista joint datacenter interconnect (DCI) solution. The Lippis Report, which provides independent testing of datacenter and enterprise networking solutions, issued a performance test report on the end-to-end DCI solution using Infinera's Cloud Xpress optical DCI transport platform and Arista's 7280 programmable switching platform. The report results validate that the Infinera-Arista joint DCI solution delivers line-rate 100 gigabit Ethernet (GbE) throughput and ultra-low latency, with extended reach and ease of use for real-world DCI applications.

Highlights of the Lippis test results include:

- End-to-end 100 GbE line-rate throughput with zero loss for any mix of traffic
- End-to-end latency under 20 microseconds ( $\mu$ s) between servers in different datacenters
- Up to 500 gigabit per second (Gb/s) dense wavelength division multiplexing (DWDM) bandwidth on one fiber pair with a single two rack unit (RU) Cloud Xpress
- Ability to extend over 150 kilometers (km) without any external amplification
- Low power consumption – less than one watt per Gb/s for the Cloud Xpress
- Ease of installation and operation, optimized for datacenter environments

“The Infinera-Arista end-to-end DCI solution is especially attractive for latency-sensitive applications, and can also be a great fit for a range of DCI use cases, such as business continuity, workload migration, data replication and big data analytics,” said Nick Lippis, principal and publisher of The Lippis Report. “The Infinera Cloud Xpress offers a small form factor and ease of use not previously available for DCI. I believe it will find a welcome reception in large enterprises who need to interconnect their datacenters with high bandwidth, low latency and low power.”

“We are thrilled to showcase this joint DCI solution with Arista and pleased to have the Lippis Report independently confirm the solution's end-to-end performance under real-world conditions,” said Stu Elby, senior vice president, Cloud Network Strategy and Technology at Infinera. “For almost a year the Cloud Xpress has been proven in demanding customer environments, including hyperscale Internet content providers, Internet Exchange service providers and select enterprises. We are confident that Cloud Xpress is a great fit for a wider range of enterprise customers, from financial services to media and entertainment, and healthcare.”

“Arista is excited about our partnership with Infinera and we were delighted to team with Infinera to prove the capabilities of our joint DCI solution,” said Ed Chapman, vice president, business development and alliances at Arista. “The Lippis Report provides independent testimony to validate our previous end-to-end solution testing and extend it to 100 GbE. These efforts also complement our recent demonstration of Infinera's Cloud Xpress integrating with Arista's CloudVision software. We look forward to continued collaboration with Infinera to deliver complete solutions to our customers.”

### About Cloud Xpress

The Infinera Cloud Xpress leverages Infinera's unique photonic integrated circuit technology to support up to one terabit per second of input and output bandwidth in just two RUs with very low power. With its small form factor and low power consumption, Cloud Xpress delivers a full 500 Gb/s super-channel of wavelength division multiplexing (WDM) line-side bandwidth over 150 km without any need for additional multiplexers or amplifiers and up to 600 km with an amplified line



system. Cloud Xpress also enables efficient scaling with simple provisioning and open interfaces to plug into existing cloud provisioning systems using open software-defined networking (SDN) application programming interfaces (APIs). Infinera Instant Bandwidth™ allows the activation of WDM bandwidth in 100 Gb/s increments via a few clicks of a mouse enabling rapid scale to meet continued customer demands.

Infinera introduced the Cloud Xpress family in 2014 delivering a cloud-optimized WDM solution to cloud service providers, Internet content providers, Internet Exchange service providers and other large-scale datacenter operators. Infinera recently expanded the Cloud Xpress family by shipping Cloud Xpress with 100 GbE, offering customers the choice of 10 GbE, 40 GbE and 100 GbE client interfaces to meet their specific requirements. Infinera also recently introduced the [XT-500](#), which provides a compact WDM interconnect solution for longer distances up to 4,000 km.

*Additional Resources:*

- Lippis Report: [Low Latency Data Center Interconnect using Infinera Cloud Xpress Optical Transport and Arista Data Center Switches](#)
- [Infinera Cloud Xpress resources](#)
- [Infinera XT-500 brochure](#)
- [Low-latency Data Center and Financial Networking Brief](#)

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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 simplify optical network operations. Infinera's end-to-end packet-optical portfolio is designed for long-haul, subsea, datacenter interconnect and metro applications. Infinera's unique large scale photonic integrated circuits enable innovative optical networking solutions for the most demanding networks. To learn more about Infinera visit [www.infinera.com](http://www.infinera.com), follow us on Twitter @Infinera and read our latest blog posts at [blog.infinera.com](http://blog.infinera.com).

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This press release contains forward-looking statements including, but not limited to, statements relating to the benefits of the features and functionality of Infinera's Cloud Xpress optical DCI transport platform working in conjunction with Arista's 7280 programmable switching platform products. 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 Quarterly Report on Form 10-Q for the quarter ended June 27, 2015 as filed with the SEC on July 31, 2015, as well subsequent reports filed with or furnished to the SEC. These reports are available on Infinera's website at [www.infinera.com](http://www.infinera.com) and the SEC's website at [www.sec.gov](http://www.sec.gov). Infinera assumes no obligation to, and does not currently intend to, update any such forward-looking statements.