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## **Mellanox Demonstrates Four Times Improvement in Crypto Performance with Innova™ IPsec 40G Ethernet Network Adapter**

*Innova IPsec Advanced Network Adapter Accelerates Security Protocols to Deliver World-Leading Endpoint IPsec Encryption Performance*

SUNNYVALE, Calif. & YOKNEAM, Israel--(BUSINESS WIRE)-- Mellanox® Technologies, Ltd. (NASDAQ:MLNX), a leading supplier of high-performance, end-to-end interconnect solutions for data center servers and storage systems, today announced superior crypto throughput of line rate using Mellanox's Innova IPsec Network Adapter, demonstrating more than three times higher throughput and more than four times better CPU utilization when compared to x86 software-based server offerings. Mellanox's Innova IPsec adapter provides seamless crypto capabilities and advanced network accelerations to modern data centers, thereby enabling the ubiquitous use of encryption across the network while sustaining unmatched performance, scalability and efficiency. By replacing software-based offerings, Innova can reduce data center expenses by 60 percent or more.

As security concerns in data centers continue to rise, along with the inability of CPU-based products to handle today's exponential data growth, delivering cost effective and performant hardware-accelerated crypto solutions on a per-server basis has become paramount to maintaining the integrity and confidentiality of the data exchanged over the network infrastructure.

The Innova IPsec adapter addresses the growing need for security and "encryption by default" by combining Mellanox ConnectX® advanced network adapter accelerations with IPsec offload capabilities to deliver end-to-end data protection in a low profile PCIe form factor. The Innova IPsec adapter offers multiple integrated crypto and security protocols and performs the encryption/decryption of data-in-motion, freeing up costly CPU cycles.

"The Innova security adapter product line enables the use of secure communications in a cost effective and a performant manner," said Gilad Shainer, vice president of marketing at Mellanox Technologies. "Whether used within an appliance such as firewall or gateway, or as an intelligent adapter that ensures data-in-motion protection, Innova IPsec adapters are the ideal solution for cloud, Web 2.0, telecommunication, high-performance compute, storage systems and other applications."

Innova products deliver industry-leading technologies and accelerations through the integrated ConnectX®-4 Lx network adapter, such as support for RDMA over Converged Ethernet (RoCE), Ethernet stateless offload engines, Overlay Networks, and more.

As part of the Innova product line, the Innova Flex Intelligent Network Adapter enables customers to leverage the flexibility of the embedded FPGA to develop their own logic within the adapter. The Innova Flex and IPsec network adapters are currently available in volume quantities.

Mellanox will be exhibiting at the RSA Conference 2017, Feb. 13-17, booth no. 406, in the South Hall of Moscone Center, San Francisco. At the show, Mellanox will showcase its Innova solutions, as well as the Company's Ethernet and InfiniBand intelligent interconnect products.

### **Supporting Resources:**

- | Learn more about: [Innova IPsec](#)
- | Follow Mellanox on [Twitter](#), [Facebook](#), [Google+](#), [LinkedIn](#), and [YouTube](#)
- | [Join the Mellanox Community](#)

### **About Mellanox**

Mellanox Technologies (NASDAQ:[MLNX](#)) is a leading supplier of end-to-end Ethernet and InfiniBand intelligent interconnect solutions and services for servers, storage, and hyper-converged infrastructure. Mellanox intelligent interconnect solutions

increase data center efficiency by providing the highest throughput and lowest latency, delivering data faster to applications and unlocking system performance. Mellanox offers a choice of high performance solutions: network and multicore processors, network adapters, switches, cables, software and silicon, that accelerate application runtime and maximize business results for a wide range of markets including high performance computing, enterprise data centers, Web 2.0, cloud, storage, network security, telecom and financial services. More information is available at: [www.mellanox.com](http://www.mellanox.com).

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**Mellanox Technologies, Ltd.**

**Press/Media Contact**

McGrath/Power Public Relations and Communications

Allyson Scott, +1-408-727-0351

[allysonscott@mcgrathpower.com](mailto:allysonscott@mcgrathpower.com)

or

**Israel PR Contact**

Galai Communications Public Relations

Jonathan Wolf, +972 (0) 3-613-52-48

[yonit@galaipr.com](mailto:yonit@galaipr.com)

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