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Mellanox ConnectX®-5 Ethernet Adapter Wins Linley Group Analyst Choice Award for Best Networking Chip

SUNNYVALE, Calif. & YOKNEAM, Israel--(BUSINESS WIRE)-- Mellanox Technologies, Ltd. (NASDAQ: MLNX), a leading supplier of high-performance, end-to-end smart interconnect solutions for data center servers and storage systems, today announced that the Mellanox ConnectX-5 Ethernet Adapter IC has received The Linley Group's Analyst Choice Award for "Best Networking Chip" in 2017.

The ConnectX-5 industry-leading dual port 10, 25, 40, 50 and 100Gb/s Ethernet adapter has set new performance records, delivering as low as 700ns latency and up to 140 million packets per second (Mpps) of forwarding message rate running the open source Data Plane Development Kit (DPDK). ConnectX-5 integrates a programmable flow-based Ethernet switch subsystem, an embedded PCIe Gen4 switch and Mellanox's Multi-Host technology thereby enabling network connectivity with up to 4 hosts on a single adapter for improved data center total cost of ownership. ConnectX-5 acceleration engines, such as remote direct memory access (RDMA), NVMe-over-Fabrics, open virtual switching (OVS), routing, load-balancing and advanced DPDK offloads deliver world-leading performance for the cloud, enterprise data center, Web2.0, deep learning, database, financial applications and more.

"We perform a rigorous review of the networking silicon reaching production each year, and the Mellanox ConnectX-5 EN stands out as the most feature-rich and high performance Ethernet adapter silicon," said Bob Wheeler, principal analyst at The Linley Group. "Mellanox has consistently set a high bar when it comes to maximizing server networking efficiency, and they are delivering unique offloads for the fast-growing NVMe over Fabrics market."

"We are proud to be the recipient of this year's Analyst Choice Award for the ConnectX-5 Ethernet adapter," said Yael Shenhav, vice president, product marketing, Mellanox Technologies. "Mellanox has consistently innovated with our market-leading adapter technologies, each generation offering higher throughputs, lower latencies and more of the accelerations our customers need to maximize their data center's potential and improve their total cost of ownership."

The ConnectX family of network adapters support both Ethernet and InfiniBand, offering unmatched RDMA features and capabilities to future-proof data center investments. With full support for RDMA over Converged Ethernet (RoCE) and advanced tunneling offloads such as VxLAN, NVGRE and Geneve, ConnectX enables servers and appliances to support the latest networking and storage protocols.

The Linley Group Analysts' Choice Awards recognize the top semiconductor products of 2017 in several categories, including embedded processors, server processors, networking chips, and related technology. To choose each winner, The Linley Group's team of technology analysts gather to discuss the merits of the top offerings that entered production in 2017. They evaluate the combined advantages in power, performance, features, and cost of each device for their target end application and market.

Supporting Resources:

- | Learn more about: [Mellanox ConnectX-5 EN Adapter 100G ASIC](#)
- | Follow Mellanox on: [Twitter](#), [Facebook](#), [Google+](#), [LinkedIn](#), and [YouTube](#)
- | [Join the Mellanox Community](#)

About The Linley Group

The Linley Group is the industry's leading source for independent technology analysis of semiconductors for networking, communications, mobile, and data-center applications. The company provides strategic consulting services, in-depth analytical reports, and conferences focused on advanced technologies for chip and system design. The Linley Group also publishes the weekly *Microprocessor Report*. For insights on recent industry news, subscribe to the company's free email newsletter: *Linley Newsletter*.

About Mellanox

Mellanox Technologies (NASDAQ: MLNX) is a leading supplier of end-to-end InfiniBand and Ethernet smart interconnect solutions and services for servers and storage. Mellanox interconnect solutions increase data center efficiency by providing the highest throughput and lowest latency, delivering data faster to applications and unlocking system performance capability. Mellanox offers a choice of fast interconnect products: adapters, switches, 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 and financial services. More information is available at: www.mellanox.com.

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