



August 22, 2017

Mellanox Network Adapters for 25G RoCE Ethernet Cloud Deployed in Alibaba

Enhanced Network Solution Offers Superior Performance for Cloud Infrastructure to Deliver Industry's Highest Efficiency and Business Value to Customers

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 that Mellanox's 25GbE and 100GbE ConnectX[®]-4 EN family of Ethernet adapters has been deployed in the data centers of Alibaba Group (NYSE:BABA), the world's largest online and mobile ecommerce company. The announcement reflects Mellanox's continued investment in China, aligning on-going technology and product development efforts with key customers.

The ConnectX-4 Network Interface Cards (NICs) has cutting edge technologies including:

RoCE - RDMA over Converged Ethernet

RDMA (Remote Direct Memory Access) technology is designed to solve the delay of server-side data processing in network transmission. RDMA enables network adapters to access the application buffer directly, bypassing the kernel, the CPU, and the protocol stack, so the CPU can perform more useful tasks during the I/O transport. This improves server performance, thus enabling application workloads to be highly scalable with high bandwidth networks.

RDMA (RoCE), based on converged Ethernet, can be implemented on an existing open Ethernet network. With RoCE, there is no need to convert data centers legacy infrastructures, which allows companies to save on capital spending.

RoCE enables introducing RDMA technology seamlessly into an Ethernet data center, which benefits applications by making them more efficient, without requiring massive changes to the current network infrastructure.

DPDK - Data Path Development Kit

DPDK provides a simple and complete framework for fast packet processing in data plane applications. The tool set allows developers to rapidly build new prototypes.

The Mellanox open source DPDK software enables industry standard servers and provides the best performance to support large-scale, efficient production deployments of Network Function Virtualization (NFV) solutions such as gateways, load balancers, and enhanced security solutions that help prevent denial of service attacks in the data center.

"This deployment demonstrates our commitment to the China market underscored by the collaboration with Alibaba," said Amir Prescher, senior vice president of business development, Mellanox Technologies. "Spurred on by Mellanox's continued strategic investment in the region, China overall is migrating to 25/100G."

Supporting Resources:

- | Find out more: [ConnectX-4 Lx 25GbE and ConnectX-4 100GbE Ethernet Adapters](#)
- | Explore: [Mellanox RoCE](#)
- | Learn more about Mellanox products and solutions at: www.mellanox.com
- | 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.

Note: Mellanox and ConnectX are registered trademarks of Mellanox Technologies, Ltd. All other trademarks are property of their respective owners.

View source version on [businesswire.com](http://www.businesswire.com): <http://www.businesswire.com/news/home/20170822005155/en/>

Mellanox Technologies, Ltd.

Press/Media Contact

McGrath/Power Public Relations and Communications

Allyson Scott, +1-408-727-0351

allysonscott@mcgrathpower.com

or

Israel PR Contact

Galai Communications Public Relations

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

yonit@galaipr.com

Source: Mellanox Technologies, Ltd.

News Provided by Acquire Media