



January 4, 2018

Mellanox Ships BlueField™ System-on-Chip Platforms and SmartNIC Adapters to Leading OEMs and Hyperscale Customers

BlueField Delivers Record Storage Performance, 200Gb/s Network Speed and PCIe-Gen4 Connectivity, Enabling World-Leading Storage, Networking and Security Solutions for Current and Future Datacenters

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 the first shipments of its BlueField system-on-chip (SoC) platforms and SmartNIC adapters to major data center, hyperscale and OEM customers. Mellanox BlueField dual-port 100Gb/s SoC is ideal for cloud, Web 2.0, Big Data, storage, enterprise, high-performance computing, and Network Functions Virtualization (NFV) applications.

BlueField sets new NVMe-over-Fabrics performance records, demonstrating seven and a half million IOPS during initial testing, with zero CPU utilization. Furthermore, BlueField delivers under three microseconds of NVMe latency to enable less than five microseconds of additional latency for end to end access to remote NVMe device over a local NVMe device. BlueField's NVMe over Fabrics advanced hardware acceleration offload guarantees maximum performance with no CPU utilization, thereby improving system total cost of ownership (TCO). In addition, BlueField delivers up to a smashing close to 400Gb/s of RDMA bidirectional traffic bandwidth over dual 100Gb/s ports.

"We are excited to ship BlueField systems and SmartNIC adapters to our major customers and partners, enabling them to build the next generation of storage, cloud, security and other platforms and to gain a competitive advantage," said Yael Shenhav, vice president of products at Mellanox Technologies. "BlueField products achieve new performance records, delivering industry-leading NVMe over Fabrics and networking throughput. We are proud of our world-class team for delivering these innovative products, designed to meet the ever growing needs of current and future data centers."

The BlueField family of products is a highly integrated system-on-a-chip optimized for NVMe storage systems, Network Functions Virtualization (NFV), security systems, and embedded appliances. BlueField dual port 100Gb/s SoC solutions combine Mellanox's leading ConnectX®-5 network acceleration technology with an array of high-performance 64-bit Arm A72 processor cores and a PCIe Gen3 and Gen4 switch.

Supporting Resources:

- | Learn more about: [Mellanox BlueField System-on-Chip solutions](#)
- | Discover: [Mellanox BlueField SmartNIC](#)
- | 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 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.

Note: Mellanox and ConnectX are registered trademarks of Mellanox Technologies, Ltd. BlueField is a trademark of Mellanox Technologies, Inc. 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/20180104005492/en/>

Mellanox Technologies, Ltd.

Press/Media Contact

Allyson Scott, +1-408-727-0351

McGrath/Power Public Relations and Communications

allysonscott@mcgrathpower.com

or

Israel PR Contact

Jonathan Wolf, +972 (0) 3-613-52-84

Galai Communications Public Relations

yonit@galaipr.com

Source: Mellanox Technologies, Ltd.

News Provided by Acquire Media