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Mellanox and NEC Partner to Deliver Innovative High-Performance and Artificial Intelligence Platforms

Mellanox InfiniBand Solutions Accelerate the New NEC SX-Aurora TSUBASA Systems for High Performance and Deep Learning Data Centers

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 in collaboration with NEC Corporation support for the newly announced SX-Aurora TSUBASA systems with Mellanox[®] ConnectX[®] InfiniBand adapters. A typical Aurora server platform includes from one to four InfiniBand adapters. The top-of-the-line Aurora platform utilizes 32 ConnectX adapters to support 64 vector engines in a single system. The NEC SX-Aurora TSUBASA systems leverage general-purpose vector-based NEC coprocessors and Mellanox in-network computing interconnect accelerators to achieve the highest application performance and scalability.

"We appreciate the performance, efficiency and scalability advantages that Mellanox interconnect solutions bring to our platform," said Shigeyuki Aino, assistant general manager system platform business unit, IT platform division, NEC Corporation. "The in-network computing and PeerDirect capabilities of InfiniBand are the perfect complement to the unique vector processing engine architecture we have designed for our SX-Aurora TSUBASA platform."

"Mellanox is proud to work with NEC to enable a next-generation computational platform for high-performance computing, machine learning, cloud and more," said Gilad Shainer, vice president of marketing at Mellanox Technologies. "The combination of Mellanox ConnectX adapters, in-network computing, and acceleration engines, with NEC vector processing, provides our users with a world-leading compute platform that enables the highest application performance and the best return on investment."

Mellanox InfiniBand solutions deliver the highest efficiency for high performance, artificial intelligence, cloud, storage and more infrastructures. InfiniBand accelerates all of the compute architectures - X86, Power, GPU, ARM, FPGA and Vector-based compute and storage platforms - delivering highest flexibility and best return on investment.

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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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