

Mellanox Introduces Mellanox Skyway™ 200 Gigabit HDR InfiniBand to Ethernet Gateway Appliance for High Performance and Cloud Data Centers

Enabling Scalable and Efficient Connectivity from the High Performance, Extremely Low Latency InfiniBand Data Centers to External Ethernet Networks

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 introduced Mellanox Skyway™, a 200 gigabit HDR InfiniBand to Ethernet gateway appliance. Mellanox Skyway enables a scalable and efficient way to connect the high-performance, low-latency InfiniBand data center to external Ethernet infrastructures or connectivity. Mellanox Skyway is the next generation of the existing 56 gigabit FDR InfiniBand to 40 gigabit Ethernet gateway system, deployed in multiple data centers around the world.

High performance computing, artificial intelligence, data-intensive and cloud infrastructures leverage InfiniBand's high data throughput, extremely low latency, and smart In-Network Computing acceleration engines to deliver world-leading application performance and scalability. For cases requiring connectivity into external Ethernet-based platforms, Mellanox offers the Skyway appliance, a 1.6 terabit-per-second InfiniBand to Ethernet gateway appliance, supporting eight 100 or 200 gigabit ports on each of the InfiniBand and Ethernet sides. IT managers can scale the number of Skyway appliances over time to meet the demands of their users.

By leveraging the Mellanox Skyway appliance, InfiniBand data centers can maintain their lowest interconnect latency to ensure maximum applications performance. Other non-Ethernet or proprietary network providers offer network-integrated or silicon-integrated gateways to Ethernet, which impose higher interconnect latency within the data center that can reduce the overall data center performance.

"Our mission is to ensure highest data center application performance, lowest communication latency, and best return-on-investment. For those customers who require external Ethernet connectivity to their InfiniBand data centers, Mellanox Skyway offers the most effective and efficient bridge solution between 100/200 gigabit InfiniBand and 100/200 gigabit Ethernet, while maintaining the lowest InfiniBand latency within the data center," said Gilad Shainer, senior vice president of marketing at Mellanox Technologies. "200 gigabit HDR InfiniBand offers great performance advantages, smart In-Network Computing acceleration engines, and cost-performance advantages, making it the leading interconnect technology for high performance infrastructures. Skyway enables a scalable and effective path from InfiniBand to Ethernet, which can scale as needed to meet the current and future data center needs."

To learn more about Mellanox Skyway, please visit us at booth 601 at the Supercomputing 2019 conference, Denver Colorado, November 18-21, or review the links in the supporting resources.

Supporting Resources:

- Learn more about [Mellanox Skyway™](#)
- Learn more about [Mellanox Quantum™ HDR 200Gb/s InfiniBand Smart Switches](#)
- Learn more about [ConnectX®-6 HDR 200Gb/s InfiniBand adapters](#)

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