



June 26, 2012

## **Mellanox FDR 56Gb/s InfiniBand Accelerates X-IO's ISE-2 Intelligent Storage Solution**

*Mellanox RDMA-based interconnects enable X-IO to achieve more than 15GB of throughput using Windows Server 2012 RC over a single rack*

AMSTERDAM--(BUSINESS WIRE)-- **Microsoft TechEd** — Mellanox® Technologies, Ltd. (NASDAQ:MLNX)(TASE:MLNX), a leading supplier of high-performance, end-to-end interconnect solutions for data center servers and storage systems, today announced that its RDMA technology for InfiniBand running Windows Server 2012 Hyper-V enabled a new price/performance record for remote storage using X-IO's ISE-2 Intelligent Storage Solution. Benchmark results attained a sustainable rate of more than 15GB/s of throughput using a single-client server equipped with three ConnectX®-3 FDR 56Gb/s InfiniBand adapters communicating to three storage servers with a total of storage capacities exceeding 100 terabytes.

This unprecedented performance eliminates storage bottlenecks and drives data centers to operate closer to their theoretical performance. Using this solution will help IT managers to simplify deployment and to meet their performance goal at a much lower total cost of ownership. These performance results were achieved using the new Microsoft SMB Direct protocol implemented in Windows Server 2012 RC running over X-IO's ISE-2 Intelligent Storage Solution.

"Windows Server 2012 SMB Direct enables impressive improvements in storage performance, as these benchmarks show," said Ian Carlson, Director, Product Marketing, Windows Server and Virtualization, at Microsoft. "At lower cost and with high performance, customers can significantly increase data center efficiency."

X-IO designed its Intelligent Storage Elements and architecture from the ground up to accelerate enterprise applications and drive 'Xcellent' storage price/performance. It uses commodity servers that are connected by Mellanox's FDR 56Gb/s InfiniBand adapters and switches.

"At X-IO we are driven to deliver very high performance storage solutions with 'Unmatched Performance with Unmatched Value'," said X-IO Vice President Rick Nelson. "Incorporating interconnect solutions from Mellanox is consistent with that business perspective."

Mellanox's RDMA interconnect technology provides greater performance and reduced CPU overhead in enterprise data center applications. Mellanox's RDMA-based interconnect technologies deployed in the ISE-2 include ConnectX®-3 InfiniBand adapters and SwitchX® SX6036 managed switch, both running at FDR 56Gb/s InfiniBand speeds.

"Mellanox InfiniBand and Ethernet RDMA interconnect solutions, integrated with SMB Direct in Windows Server 2012, deliver an attractive, high performance and cost-effective solution for remote file server storage," said Gilad Shainer, vice president of market development at Mellanox Technologies. "We are delighted to see X-IO, leveraging Mellanox interconnect solutions, be among the first to introduce a remote file server storage solution that delivers both performance and resiliency levels similar to local storage, enabling the ease of a file server with no performance limitations."

### **Visit Mellanox Technologies at TechEd Europe (June 26-29)**

Visit Mellanox Technologies at the TechEd Europe Partners Pavilion station #20 to see a live demonstration of Windows Server 2012 SMB Direct, and the full suite of Mellanox's end-to-end high-performance Ethernet and InfiniBand data center interconnect products.

### **Supporting Resources:**

- Learn more about [Mellanox's complete FDR 56Gb/s InfiniBand solution](#)
- Learn more about [Mellanox's complete 10GbE solution](#)
- Learn more about [Mellanox's complete 40GbE solution](#)
- Learn more about [Mellanox's complete RDMA based Windows Server 2012 SMB Direct solution](#)
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## **About Mellanox**

Mellanox Technologies (NASDAQ:MLNX)(TASE:MLNX) is a leading supplier of end-to-end InfiniBand and Ethernet 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](http://www.mellanox.com).

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### **Mellanox Technologies, Ltd. Press/Media Contacts**

Waggener Edstrom

Ashley Paula, +1-415-547-7024

[apaula@waggeneredstrom.com](mailto:apaula@waggeneredstrom.com)

or

### **USA Investor Contact**

Mellanox Technologies

Gwyn Lauber, +1-408-916-0012

[gwyn@mellanox.com](mailto:gwyn@mellanox.com)

or

### **Israel Investor Contact**

Gelbart Kahana Investor Relations

Nava Ladin, +972-3-6074717

[nava@gk-biz.com](mailto:nava@gk-biz.com)

Source: Mellanox Technologies, Ltd.

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