

From: Mellanox Technologies
2900 Stender Way
Santa Clara, CA 95054



Contact: Mellanox Technologies
Brian Sparks
408-970-3400
media@mellanox.com

Mellanox Powers World's First PetaScale Computing Environment

Massively Scalable Sun Constellation System Integrates Mellanox InfiniBand Adapter and Switch Silicon

INTERNATIONAL SUPERCOMPUTING CONFERENCE 2007, DRESDEN, GERMANY – JUNE 27, 2007 – Mellanox™ Technologies, Ltd. (NASDAQ: MLNX), a leading supplier of semiconductor-based, server and storage interconnect products, today announced that the Company's InfiniBand adapters and InfiniScale™ III InfiniBand switch silicon power the Sun Constellation System which includes an ultra-dense blade server platform, high-throughput, high-density storage, and 3456-port InfiniBand switch. This system is based on non-proprietary and open source technologies and is expected to be one of the most powerful computing platforms in the world providing up to 1.7 PetaFLOPS of performance.

Designed for high scalability and performance, the ultra-dense blade server platform is based on the recently announced Sun Blade™ 6000 technology which integrates Mellanox dual-port 20Gb/s InfiniBand PCI Express adapter silicon. The Sun Fire X4500 data servers provide high-density and high-throughput storage offered with native InfiniBand connectivity. The 3456-port InfiniBand switch utilizes Mellanox InfiniScale III switch silicon chips.

“The combination of Sun's innovative blade server, storage and switch system technology and Mellanox's leading InfiniBand adapters and switch silicon delivers outstanding computing performance that addresses a new era of PetaScale computing needs,” said Eyal Waldman, chairman, president and CEO at Mellanox Technologies. “With 3456

InfiniBand ports, the Sun ultra-dense switch reduces cost, power, complexity and the deployment time typically associated with large-scale HPC clusters.”

“The collaboration between Mellanox and Sun enabled us to build a PetaScale fabric with a cross sectional throughput of several hundred Terabits per second and a ping latency of less than two microseconds,” said Andy Bechtolsheim, senior vice president for Sun Microsystems. “With this fabric, the Sun Constellation System can scale beyond PetaFLOP performance using industry-standard fabric architecture.”

The first planned deployment of the Sun Constellation System is the Ranger cluster at the Texas Advanced Computing Center (TACC). The Ranger cluster is planned to support over 500 TeraFLOPS of CPU power which positions it to be one of the world's most powerful general purpose supercomputers when it is fully deployed at the end of 2007.

About Mellanox

Mellanox Technologies is a leading supplier of semiconductor-based, high-performance, InfiniBand and Ethernet connectivity products that facilitate data transmission between servers, communications infrastructure equipment and storage systems. The company's products are an integral part of a total solution focused on computing, storage and communication applications used in enterprise data centers, high-performance computing and embedded systems.

Founded in 1999, Mellanox Technologies is headquartered in Santa Clara, California and Yokneam, Israel. For more information, visit Mellanox at www.mellanox.com.

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Safe Harbor Statement under the Private Securities Litigation Reform Act of 1995:

All statements included or incorporated by reference in this release, other than statements or characterizations of historical fact, are forward-looking statements. These forward-looking statements are based on our current expectations, estimates and projections about our industry and business, management's beliefs and certain assumptions made by us, all of which are subject to change. Forward-looking statements can often be identified by words such as "anticipates," "expects," "intends," "plans," "predicts," "believes," "seeks," "estimates," "may," "will," "should," "would," "could," "potential," "continue," "ongoing," similar expressions and variations or negatives of these words. These forward-looking statements are not guarantees of future results and are subject to risks, uncertainties and assumptions that could cause our actual results to differ materially and adversely from those expressed in any forward-looking statement. The risks and uncertainties that could cause our results to differ materially from those expressed or implied by such forward-looking statements include our ability to react to trends and challenges in our business and the markets in which we operate; our ability to anticipate market needs or develop new or enhanced products to meet those needs; the adoption rate of our products; our ability to establish and maintain successful relationships with our distribution partners; our ability to compete in our industry; fluctuations in demand, sales cycles and prices for our products and services; our ability to protect our intellectual property rights; general political, economic and market conditions and events; and other risks and uncertainties described more fully in our documents filed with or furnished to the Securities and Exchange Commission. More information about the risks, uncertainties and assumptions that may impact our business are set forth in our Form 10-Q filed with the SEC on May 8, 2007, and our Form 10-K filed with the SEC on March 26, 2007, including "Risk Factors". All forward-looking statements in this press release are based on information available to us as of the date hereof, and we assume no obligation to update these forward-looking statements.

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