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InfiniBand Continues Explosive Growth on June 2007 TOP500 List

Number of Supercomputers Using InfiniBand Interconnect Increases 230% in One Year

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, announced today that InfiniBand continues to be the fastest growing cluster interconnect according to the 29th edition of the TOP500 list of the world's most powerful computers. 132 supercomputers (26% of the list) are connected with InfiniBand, 230% more than the 40 supercomputers on the June 2006 list, and 61% more than the 82 supercomputers reported on the November 2006 list.

InfiniBand-based clusters continue to take share from clusters using Ethernet and proprietary interconnect solutions as industry-standard InfiniBand is proven to deliver higher scalability, efficiency and performance, especially when connecting multi-core computing servers and storage systems. In particular, 20Gb/s InfiniBand usage on the list has increased significantly to 55 clusters from only a single cluster 6 months ago which highlights the fast adoption of 20Gb/s performance.

Published twice a year and publicly available at Top500.org, the TOP500 list ranks the most powerful computer systems according to the Linpack benchmark rating system and is an industry respected report which indicates usage trends in computing and interconnect solutions. Highlights of InfiniBand usage on the June 2007 TOP500 list include:

- All InfiniBand-based clusters utilize Mellanox switch silicon and well over 95% integrate adapters products based on Mellanox silicon
- 8 of the top 20 most prestigious positions use InfiniBand – all based on Mellanox adapter cards and switch silicon
- InfiniBand is the most used high-speed, low-latency interconnect and has the greatest increase in the rate of usage, used by 26% of the list
- The average efficiency of all reported InfiniBand-based supercomputers is 71% -- significantly higher than the average efficiency of Gigabit Ethernet connected clusters at 54%
- Higher performing InfiniBand-based supercomputers are replacing supercomputers using proprietary interconnect technologies such as Myrinet (47% decline since June 2006) and lower-performing Gigabit Ethernet (19% decline since June 2006)
- 20Gb/s InfiniBand usage has dramatically increased from zero entries on June 2006, to 55 systems on the current list (42% of the InfiniBand clusters)
- 20Gb/s InfiniBand is widely used by multi-core systems as they impose high demands on the interconnect, and require a scalable and reliable I/O solution
- InfiniBand is used by a diverse list of applications, from large-scale high-performance computing (government, universities, research) to commercial technical computing (semiconductor, automotive, mathematical computing, oil and gas, manufacturing, weather, and more) and enterprise data centers (transportation services, IT services, utility computing, food industry, financial services, and more)

“Clustering multi-core servers and storage systems demand an interconnect that provides low-latency, scalability and processor efficiency – all characteristics of InfiniBand making it the natural choice for high-performance computing applications,” said Eyal Waldman, president, chairman and CEO of Mellanox Technologies. “With the strong growth of 20Gb/s InfiniBand deployments, and with the expectation of 40Gb/s InfiniBand in the latter part of 2008, Mellanox-based InfiniBand accelerated systems will

continue to deliver the ever-increasing performance needs of world leading research centers, universities and commercial data centers."

Come Visit Mellanox at The International Supercomputing Conference, Dresden Germany, June 26-29, 2007

Located at booth #D27-30, Mellanox is demonstrating leading InfiniBand interconnect solutions during exhibition hours. Demonstrations include commercial applications that take advantage of InfiniBand interconnect as well as world-class MPI throughput over 20Gb/s InfiniBand adapters and Intel-based PCI Express 2.0 (5GT/s signaling rate) supported servers platforms.

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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