

PRESS RELEASE



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Mellanox InfiniBand Drives Transaction Processing and Storage Performance Benchmark on HP BladeSystem c-Class

Industry's First-Ever "All Bladed" Server and Storage Benchmark Configuration Delivers Best Price/Performance While Reducing Floor Space, Power, Cooling and TCO

SANTA CLARA, CA. and YOKNEAM, ISRAEL – September 19, 2007 –

Mellanox™ Technologies, Ltd. (NASDAQ: MLNX; TASE: MLNX), a leading supplier of semiconductor-based, server and storage interconnect products, today announced that the Company's 20Gb/s InfiniBand adapters and switch products provided the foundation for the HP BladeSystem c-Class world record clustered TPC-H benchmark*, delivering 39,613 QphH (Query-per-hour Performance Metric) @ \$12.57/ QphH @300GB. HP server blades are used for both the Oracle 10g RAC database servers, as well as the storage servers in a dense form factor which also includes the storage disks. Each server uses Mellanox's high-throughput, low-latency 20Gb/s InfiniBand interconnect for server-to-server and server-to-storage I/O connectivity to deliver the best price/performance.

“This ‘all-bladed’ world record TPC-H benchmark expands the market potential for our converged InfiniBand products by providing both computing and storage server interconnect in the fast growing blade market, which is expected to ship over three million units in 2010,” said Eyal Waldman, chairman, president and CEO of Mellanox Technologies. “We’re delighted to see HP BladeSystem c-Class systems using our InfiniBand products for enterprise database applications as they provide outstanding price/performance while addressing significant data center issues such as time, change, cost and energy.”

Three HP BladeSystem c7000 blade enclosures house the servers and InfiniBand I/O components as well as SAS storage disks, which take up less than 75 percent of a standard 42U rack. This configuration requires only 20 percent of the floor space and 30 percent of the power and cooling costs compared to traditional rack servers and storage SAN solutions.

“HP is leading the industry by providing a 20Gb/s InfiniBand unified fabric in the HP BladeSystem c7000 as the cluster interconnect for Oracle RAC deployments, adding additional utility to the HP StorageWorks SB40c storage blade,” said Mark Potter, vice president, BladeSystem Division, HP. “In addition to the record performance of this TPC-H data warehouse application, HP has integrated the storage subsystem within the c7000, which significantly reduces the cost and power utilization compared to typical rack systems.”

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.

* HP BladeSystem ProLiant BL460c IB Cluster 16P DC 39,613 QphH @ \$12.57/ QphH @300GB - Available 9/15/2007 - The Transaction Processing Performance Council (TPC) is a non-profit corporation founded to define transaction processing and database benchmarks and to disseminate objective, verifiable TPC performance data to the industry. A full description of the hardware and software configuration is located on the TPC website: http://www.tpc.org/tpch/results/tpch_result_detail.asp?id=107080901.

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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 the continued expansion of market potential for our converged InfiniBand products, the growth in demand for HPC products, the continued, increased demand for industry standards-based technology, 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 distributors; 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 is 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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