PRESS RELEASE

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Mellanox ConnectX™ IB InfiniBand Adapters Accelerate IBM BladeCenter® H

Leading Adapter Scales 20Gb/s Clustered Blade Computing Performance with Ultra Low Latency

SANTA CLARA, CA. and YOKNEAM, ISRAEL – September 18, 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 ConnectX IB-based InfiniBand adapter cards are available with the IBM BladeCenter H, providing optimized multi-core server cluster performance in power and space-saving blade chassis environments. Mellanox's ConnectX IB InfiniBand HCA and IBM's BladeCenter H provides one of the leading clustered computing platforms that will service the total blade server market which is estimated to grow to over 1 million units this year and estimated to grow by more than three-fold to over 3 million units in 2010.

"ConnectX IB InfiniBand adapters deliver unparalleled 20Gb/s I/O connectivity for high-throughput and latency-sensitive clusters, grids and virtualized environments," said Eyal Waldman, chairman, president and CEO of Mellanox Technologies. "IBM BladeCenter H is an optimized platform for business-critical applications and our InfiniBand adapters further enhance power efficiency through I/O consolidation, and enables applications to achieve the most performance out of multi-core CPUs."

"High-performance computing clusters can range from as few as two to thousands of servers woven together to deliver the performance demanded by a broad range of applications including those in commercial and enterprise markets such as computer-

aided engineering (CAE), financial services and life sciences – all can take advantage of high-performance cluster computing," said Alex Yost, VP and Business Line Executive, BladeCenter. "By integrating Mellanox ConnectX IB InfiniBand adapters, IBM's BladeCenter H can provide unprecedented levels of performance for a multitude of high-performance computing environments and applications."

A Mellanox ConnectX IB 20Gb/s InfiniBand adapter card can reside on each server blade in the BladeCenter H enclosure to provide high-performance connectivity to the processor through a PCI Express interface. InfiniBand signals are carried over the midplane to an InfiniBand pass-thru module that plugs into a high speed I/O module bay. This provides 100% non-blocking 20Gb/s blade server connections to an external InfiniBand switch – unmatched in the industry. Each ConnectX IB mezzanine card adapter supports two ports and can connect to two independent pass-thru modules for redundancy and higher aggregated bandwidth – capabilities inherent to InfiniBand that are used for mission-critical applications and the most-demanding HPC deployments.

The ConnectX IB-based adapter cards will be available from IBM and IBM business partners in October 2007. These cards have been tested with OpenFabrics Enterprise Distribution version 1.2.5. and also support OFED-based device drivers from Cisco and Voltaire. These drivers are available on the OpenFabrics.org, and Cisco and Voltaire web sites respectively.

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 the growth in the blade server market as projected in this releases, 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 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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