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Mellanox Demonstrates 40Gb/s Connectivity with PCI Express 2.0

Technology Demonstration on Intel Servers Showcases Fastest Interconnect and Storage I/O Performance

INTEL DEVELOPER FORUM, Beijing, April 16, 2007 – Mellanox™ Technologies, Ltd. (NASDAQ: MLNX), a leading supplier of semiconductor-based high-performance interconnect products, announced the demonstration of a 40Gb/s (Gigabit-per-second) InfiniBand server-to-server connection over a copper cable using advanced versions of the recently announced ConnectX IB Host Channel Adapter (HCA). These are the first I/O adapters to support the increased performance of PCI Express 2.0 – a doubling of bus speeds expected to be integrated in server and storage platforms over the next year.

Today, Mellanox-based 10 and 20Gb/s InfiniBand products provide leading connectivity performance for multi-core and virtualized server and storage systems in data centers as well as an increasing number of the world's most powerful supercomputers, which are demanding higher I/O throughput. With this 40Gb/s connectivity demonstration, Mellanox displays its leading technology and design expertise to deliver cutting-edge interconnect performance based on the standard interconnect specifications.

“This 40Gb/s demonstration is strong evidence that InfiniBand will continue to provide connectivity performance leadership for the industry's most demanding computing and storage applications, and it's software compatible with the InfiniBand installed base,” said Shai Cohen, vice president of operations and engineering at Mellanox Technologies.

“It also shows our robust SerDes design expertise which is critical to deliver high-speed signals over cables, in addition to our leading ConnectX IB adapters that are architected to take full advantage of the increased performance offered by PCI Express 2.0.”

Key technical highlights of this demonstration include:

- The first 40Gb/s server-to-server and server-to-storage connectivity based on industry-standard specifications
- The first implementation of the InfiniBand Quad-Data-Rate specification (ratified in 2004) which defines 10GHz SerDes data rates per lane (4 lanes per InfiniBand port) over a copper cable
- The first I/O adapter that fully utilizes the PCI Express x8 2.0 interface operating at 5Gb/s per lane which provides a matching 40Gb/s processor host interface in Intel’s Stoakley server featuring the Seaburg chipset

“Intel’s high performance multi-core processor based servers with PCI Express 2.0 technology and high speed PCIe 2.0 I/O adapters such as the Mellanox ConnectX IB InfiniBand 40Gb/s solution will continue to provide the optimal performance-balanced systems for the world’s most challenging applications,” said Jim Pappas, Director of Technology Initiatives for Intel’s Digital Enterprise Group. “We are working with Mellanox and the industry to ensure future technology compatibility, robustness and optimize for maximum performance as we roll out the Stoakley and other PCI Express 2.0 enabled servers.”

10 and 20Gb/s ConnectX IB InfiniBand HCA silicon devices and adapter cards are available today, and versions with support for the increased performance of PCI Express 2.0 are expected in the same timeframe as Intel Stoakley platforms later this year. 40Gb/s ConnectX IB products are expected to reach the market through OEM channels during 2008.

Visit Mellanox Technologies at the Intel Developer Forum, Beijing - April 17-19, 2007

The technology demonstration can be viewed at Mellanox's booth (BOOTH #001) from April 17-19, during exhibit hours.

About Mellanox

Mellanox Technologies is a leading supplier of semiconductor-based, high-performance, InfiniBand interconnect 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. In addition to supporting InfiniBand, Mellanox's next generation of products support the industry-standard Ethernet interconnect specification.

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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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-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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