



Mellanox Unveils First 10Gb/s Copper and First Pluggable Fiber/Copper InfiniBand Platforms

Four New InfiniBand Reference Platforms and Software Development Kit Introduced

SANTA CLARA, CA and YOKNEAM, ISRAEL, (June 18, 2001) - Mellanox Technologies, Ltd. introduced today four new InfiniBridge™ reference platforms that expand the InfiniBand™ development capabilities of our software and hardware OEM partners and enable the development of large InfiniBand fabrics for the data center. They include the first platform to support 10Gb/sec copper connections and the first platform to support small form factor pluggable (SFP) connectors. Each platform includes the Mellanox Software Development Kit (SDK) that provides the software elements required to enable third party InfiniBand solution development.

"Copper is now and for the near future will continue to be the predominant data center wiring type, so InfiniBand's full support for this medium at 10Gb/sec further increases the standard's value proposition," said Gordon Haff, Research Director for High-End Architectures, Aberdeen Group. "InfiniBand is the first data center interconnect supporting copper connections at this speed; other standards, such as 10 Gigabit Ethernet, will support optical only. With the delivery of its new development boards, Mellanox will allow developers to incorporate 10Gb/sec over copper into the first generation of InfiniBand products – a significant development for users wanting to get the most from a low cost copper infrastructure."

The 10Gb/sec over copper breakthrough enables significantly lower infrastructure costs versus fiber optics, as copper transceivers are generally hundreds of dollars less than fiber optic transceivers. For the 8-port reference design, SFP connectors offer the flexibility for users to choose either copper or fiber connections at the time of installation or as a field upgrade. When required for longer distances than copper can provide, such as building-to-building or campus-to-campus interconnects, fiber optic connections enable InfiniBand fabrics to be linked up to kilometers in distance.

The four new reference platforms target multiple application development environments including: InfiniBand switches and channel adapters for servers, storage, communications, clustering, and remote I/O capabilities. The reference platforms enable the migration of InfiniBand technology into the data center by providing efficient form factors and software that enable wide scale InfiniBand fabric development. Our dual port 4X (10Gb/sec) design offers up to 40 Gb/sec of full-duplex InfiniBand bandwidth on a half-size PCI card that consumes less than 10 Watts of power. This reference design offers an unmatched combination of performance, low power, small size, and low cost (our InfiniBridge MT21108 silicon is \$196 in 10K quantities).

“Mellanox continues to lead the market by expanding the options of InfiniBridge reference platforms that enable wide scale InfiniBand development with unmatched feature, performance and power combinations,” said Michael Kagan, VP of Architecture of Mellanox Technologies. “These reference platforms provide the software, optimal form factors, including 10Gb/sec copper, and SFP fiber optic capabilities needed by our customers to build larger scale InfiniBand fabrics, which enable extensive software development, and accelerate interoperability, performance and reliability testing. Mellanox and its partners are now providing all of the essential components needed to develop InfiniBand solutions for the data center.”

About the Reference Platforms:

Two Port (4X) InfiniBand Channel Adapter (MTEK21108-CU2-2BN-4)

Mellanox InfiniBridge MT21108 device, two 4X (10Gb/s) copper InfiniBand ports on a half-length PCI interface card, and Mellanox’s InfiniPCI Technology (transparent standard PCI to PCI bridging).

Eight Port (1x) Fiber /Copper InfiniBand Switch Platform (MTEK21108-MSFP08-1A)

Mellanox InfiniBridge MT21108 device, eight 1X InfiniBand ports, small form factor pluggable (SFP) connectors that support either fiber or copper connections, Mellanox's InfiniPCI Technology, and a mezzanine expansion connector for an external CPU card to enable managed switch development.

Four Port (1X) InfiniBand Channel Adapter (MTEK21108-CU4-2BN)

Mellanox InfiniBridge MT21108 device, four 1X copper InfiniBand ports on a short form factor PCI interface card, and Mellanox's InfiniPCI Technology.

Four Port (1X) InfiniBand Channel Adapter with external CPU interface (MTEK21108-CU4-2B)

Mellanox InfiniBridge MT21108 device, four 1X InfiniBand copper ports on a PCI interface card, Mellanox's InfiniPCI Technology and a mezzanine expansion connector for a CPU card.

Mellanox's SDK:

The SDK includes low-level InfiniBridge drivers, source code, sample management and transport applications.

Pricing and Availability

These platforms range in price from \$4500 to \$8000, with limited immediate availability and full availability in Q3, 2001. These reference platforms include the reference board, schematics, board design files, the Mellanox SDK, and cables.

Demonstrating Mellanox's InfiniBridge Technology

To see a demonstration of Mellanox's new development capabilities, visit us June 19-22 at booth 22 during the Spring IBTA Developer's Conference in Lake Buena Vista, Florida.

About Mellanox

Mellanox is the leading supplier of InfiniBand semiconductors, providing switches, Host Channel Adapters (HCAs), and Target Channel Adapters (TCAs) to the server, communications, and data

storage markets. In January 2001, Mellanox Technologies delivered the InfiniBridge MT21108 the first 4X (10 Gbit/sec) InfiniBand device to market and is currently the only production InfiniBand silicon available. The company has raised more than \$33 million to date and has strong corporate and venture backing from Intel Capital, Raza Venture Management, Sequoia Capital, and US Venture Partners. In May 2001, Mellanox was selected by the *Red Herring Magazine* as one of only five semiconductor suppliers to make their list of the top 100 most important public and private companies. Mellanox currently has more than 170 employees in multiple sites worldwide. The company's business operations, sales, marketing, and customer support are headquartered in Santa Clara, CA; with the design, engineering, software, system validation, and quality and reliability operations based in Israel.

For more information, contact:

Media Contact:

Melinda Smith
Wilson McHenry Company
415-227-1251
msmith@wilsonmchenry.com

Business Contact:

Kevin Deierling
Vice President, Product Marketing
Mellanox Technologies, Inc.
408-970-3400 x302
kevind@mellanox.com