



Mellanox Introduces Product Family of InfiniBand Devices Supporting 10Gb/s Operation

InfiniBridge Products are First Silicon Devices Supporting both 2.5Gb/s and 10Gb/s Links for the Newly Approved InfiniBand™ 1.0 Specification

SANTA CLARA, CA and YOKNEAM, ISRAEL—(February 5, 2001)— Mellanox Technologies, Ltd. today introduced its InfiniBridge™ family of devices supporting the new InfiniBand architecture and announced immediate availability of silicon. The InfiniBridge family of products includes Switches, Host Channel Adapters (HCAs), and Target Channel Adapters (TCAs). Mellanox is shipping InfiniBridge silicon, development boards, and software products to customers, marking the first commercial availability of devices supporting both 2.5Gb/s (1X) and 10Gb/s (4X) links compatible with the InfiniBand 1.0 specification

The first member of the InfiniBridge product family is the MT21108, which combines Host Channel Adapter functionality with a fully integrated eight-port switch, and an InfiniBand to PCI Target Channel Adapter bridge.

“Mellanox is proud to be the first semiconductor supplier offering InfiniBand silicon solutions supporting both 1X and 4X links to the market,” said Eyal Waldman, CEO of Mellanox. “We have worked closely with leading members of the InfiniBand Trade Association to ensure that Mell-

anox's InfiniBridge devices offer a full and robust feature set and will be interoperable with silicon from other suppliers."

Leading InfiniBand Trade Association Members Support InfiniBridge

"As a founding member of the InfiniBand Trade Association, Compaq is committed to advancing the exciting new InfiniBand architecture in our industry-standard products," said Paul Santeler, Vice President of Servers, Compaq Industry Standard Server Group. "Mellanox is contributing to the industry's development and adoption of this new standard with the availability of their InfiniBand-based technology."

"IBM is a leading supplier of highly available systems, and now InfiniBand technology will affordably bring high end capability to high volume servers," said Dr. Tom Bradicich, IBM eServer Director of xSeries Server Architecture and Technology.

"Mellanox's InfiniBridge devices offer the features and performance that allow InfiniBand I/O to fulfill the promise of delivering higher performance, scalability, and RAS (Reliability, Availability, and Serviceability) to the data center."

"InfiniBand architecture represents a fundamental breakthrough in server capability delivering new levels of scalability, reliability and system flexibility," said Jim Pappas, Director of Initiative Marketing for Intel's Enterprise Platform Group, "As the server industry transitions from a shared bus architecture to InfiniBand fabrics, a rich selection of InfiniBand components is required. Intel is pleased to see industry momentum for InfiniBand technology as the industry moves from specification development to product development, including Mellanox's recent product commitment."

"The availability of silicon is a critical milestone for InfiniBand product development," said Vernon Turner of IDC. "System vendors will be able to leverage the rich feature set of Mellanox's InfiniBridge devices, enabling the InfiniBand architecture to realize its potential to deliver new performance and reliability levels to the data center."

"We are pleased that we have been able to accelerate the deployment of this powerful new technology," said Dave Sheffler, VP of Worldwide Sales for Mellanox. "The shipments of devices and

development boards and the backlog we have from major customers speak volumes about the acceptance of InfiniBand technology and its widespread deployment.”

“Providing a bridge to PCI is a crucial part of our overall strategy to enable the transition from legacy PCI based systems to the new high performance, scalable, and fault tolerant InfiniBand fabric,” said Eyal Waldman. “Our InfiniBridge devices enable system vendors to utilize their investment in PCI based network adapter cards and PCI based software. This capability allows system vendors to migrate from PCI to InfiniBand architecture at their own pace without abandoning their investment in legacy technology.”

For additional information visit: <http://www.mellanox.com/quotes.htm>

Advanced Feature Set

Mellanox InfiniBridge channel adapters and switches incorporate a non-blocking full wire speed switch architecture supporting multiple Virtual Lanes (VL) for data and control plus a dedicated management lane, offering quality of service, bandwidth allocation, and latency assurances. The advanced architecture with greater than 100Gb/s internal bandwidth, prevents head of the line blocking and provides optimal fabric throughput by accelerating per VL credit based flow control. Mellanox InfiniBridge devices can be used to implement complex InfiniBand subnets, connecting heterogeneous servers with different link bandwidths. InfiniBridge devices support the highest levels of integration, incorporating an on-chip Subnet Management Agent (SMA) offering higher performance and eliminating the requirement for an external CPU. In addition, InfiniBridge devices support several popular embedded CPU interfaces.

Comprehensive Software and Reference System Support

Mellanox is offering customers a complete Product Development Kit (PDK) for the InfiniBridge family of devices including schematics, layout, bill of materials, signal integrity simulations, and software. The PDK can be used either in a stand-alone configuration or as a PCI add-in card for servers or other standard PCI based platforms. The PDK includes prototype software, provided as a Driver Development Kit (DDK) in source format.

Pricing and Availability

The MT21108 is available today and is packaged in a 516 PBGA package with pricing of \$196 in 10K quantities. Production quantities of the MT21108 will be available in Q2 2001. Mellanox offers immediate availability of the PDK system development board (including DDK software), priced at \$5,000.

About Mellanox Technologies

Mellanox Technologies Ltd., is a fabless semiconductor company providing InfiniBand solutions for the server, communications, and data storage markets. Mellanox is a leader in the InfiniBand semiconductor market, offering switches, Host Channel Adapters (HCAs), and Target Channel Adapters (TCAs). 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. Mellanox currently has more than 140 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 on Mellanox, visit www.mellanox.com.

The InfiniBand architecture is an industry-standard interconnect technology that provides new levels of performance and reliability for the next generation of servers and I/O devices. Mellanox is a member company of the InfiniBand Trade Association, a nonprofit organization dedicated to developing and promoting the InfiniBand architecture. More information about the InfiniBand Trade Association and specification can be found at www.InfiniBandTA.org.

For more information, contact:

Media Contact:

Melinda Smith
Wilson McHenry Company
415-227-125
msmith@wilsonmchenry.com

Business Contact:

Kevin Deierling
Vice President, Product Marketing
Mellanox Technologies, Inc.
408-970-3400 x 302
kevind@mellanox.com

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