



Mellanox Technologies Supports PICMG AdvancedTCA 3.2 Standard for InfiniBand in Telco, Embedded, and Industrial Computing Applications

Specification for 10Gb/sec InfiniBand-Based Communications Platform submitted to Standards Body for Final Approval

SANTA CLARA, CALIFORNIA and YOKNEAM, ISRAEL, January 20, 2003 - Mellanox Technologies, the leader in InfiniBand™ silicon and PICMG® member, announced its support for the Advanced Telecommunication Computing Architecture 3.2 (AdvancedTCA™ 3.2) Specification that has been developed by a subcommittee of the PICMG (PCI Industrial Computer Manufacturers Group). Version 1.0 of the InfiniBand-based AdvancedTCA 3.2 Specification has been approved by the subcommittee and submitted to the PICMG executive membership for final approval. PICMG is a consortium of over 600 companies who collaboratively develop open specifications, including Compact PCI, for high performance telecommunications, embedded, and industrial computing applications.

The AdvancedTCA 3.2 Specification defines an industry standard platform that enables interoperable, multi-vendor board, backplane, and chassis solutions to take advantage of high performance, low latency InfiniBand links. Together with the AdvancedTCA 3.0 Base Specification, ATCA 3.2 defines the board and chassis form factor, connectors, power distribution, thermal management, and robust system management architecture. InfiniBand is a scalable (2.5, 10, and 30Gb/sec) fabric technology with low latency, QoS, high-availability, and multi-protocol features. Now board and chassis vendors have a COTS (Commercial Off-the-Shelf) platform based on a high performance switch fabric that enables scalable, QoS-enabled, multi-service embedded solutions.

"A standards-based 10 Gb/sec switched fabric solution such as AdvancedTCA 3.2 provides very attractive COTS options for the telecommunication and data communications markets," said

AdvancedTCA 3.2 subcommittee chair Chuck Byers of Lucent. "The industry is calling out for such a solution, and InfiniBand has the right feature set and capabilities to make it happen."

InfiniBand is at least a generation ahead of competing fabric technologies today and for the foreseeable future. The InfiniBand Architecture is the only 10Gb/sec ultra low latency clustering, communication and storage interconnect in the market today. Based on an industry standard with reliability, availability, serviceability and manageability features designed in from the ground up, InfiniBand provides the most robust backplane and data center interconnect solution available. Low cost InfiniBand silicon is shipping today that supports 10Gb/sec RDMA transfers and has an approved specification for 30Gb/sec.

AdvancedTCA 3.2 offers significant technical advantages to developers of modular computing and communications platforms. The thermal and power architecture enables each board to dissipate up to 200W - enough power to support up to four world class server processors with large DDR memory configurations. Communications boards can implement larger DSP farms or network processor configurations for packet processing at OC-192 and 10 Gigabit Ethernet wire speeds. With a standard low latency, QoS enabled, 10Gb/sec fabric such as InfiniBand, developers can implement storage, LAN/WAN, and clustering solutions in a single chassis or scale them across multiple chassis. InfiniBand provides significant cost and time-to-market advantages because of the silicon solutions available in the market today versus expensive proprietary switched fabric solutions.

"Mellanox is dedicated to advancing superior InfiniBand solutions across multiple market segments," said Kevin Deierling, Vice President of Product Marketing for Mellanox Technologies, Ltd. "Our support of AdvancedTCA 3.2 provides an industry standard InfiniBand platform for telecom, embedded, and industrial computing applications."

Mellanox HCA, TCA, and Switch silicon products are available today to implement AdvancedTCA 3.2 products.

About Mellanox

Mellanox is the leading supplier of InfiniBand semiconductors, providing switches, Host Channel Adapters, and Target Channel Adapters to the server, communications and data storage markets.

In January 2001, Mellanox Technologies delivered the InfiniBridge 10Gb/sec InfiniBand device to market, and is now shipping second-generation InfiniScale and InfiniHost silicon. The company has raised more than \$89 million to date and has strong corporate and venture backing from Bessemer Venture Partners, Dell Computer, Intel Capital, Raza Venture Management, Sequoia Capital, Sun Microsystems, US Venture Partners, Vitesse and others. Mellanox has been recognized with awards in 2001 and 2002 from Computerworld, Network Computing, Red Herring, and Upside magazines as a key emerging technology company. 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 visit Mellanox website at www.mellanox.com

For more information contact:

Media Contact
media@mellanox.com

Mellanox Business Contact:
Dana Krelle
Vice President Marketing
Mellanox Technologies, Inc.
408-970-3400
dana@mellanox.com

*Mellanox, InfiniBridge, InfiniHost and InfiniScale are registered trademarks of Mellanox Technologies, Inc.

*InfiniBand (TM/SM) is a trademark and service mark of the InfiniBand Trade Association. All other trademarks are claimed by their respective owners.

*PICMG is a registered trademark and AdvancedTCA is a trademark of the PCI Industrial Computer Manufacturers Group.