



Mellanox Technologies Introduces 3rd Generation Switch

First Ever InfiniBand Switch Platform Offering More than 128 Ports

SANTA CLARA, CALIFORNIA, and YOKNEAM, ISRAEL - Apr 27, 2004 - Mellanox® Technologies Ltd., the leader in InfiniBandSM solutions, today introduced the InfiniBand MTS14400 modular switch, a third generation switch designed for large scale clustering applications. The 144 port switch is the only currently shipping InfiniBand product offering greater than 128 ports and is perfect for High Performance Computing Cluster (HPCC) applications. The switch is designed to scale clusters from 128 to ten thousand nodes and beyond. In addition, Mellanox is announcing design wins with several OEM partners who will offer the switch as part of complete compute cluster solutions.

“Mellanox continues to advance InfiniBand technology with this third generation switch platform,” said Dick Linville, vice president of marketing and business development at Linux Network. “The Mellanox MTS14400 represents a next generation InfiniBand platform that delivers an impressive combination of price, performance, and reliability to our high performance computing customers.”

The new MTS14400 switch is ideal for building large clusters that can scale to many thousands of nodes. Furthermore, the 144 port switch complements the previously announced MTS2400, 24 port switch platform. Together, these switches allow for flexible deployment of thousands of industry standard servers and storage platforms, clustered together using the high performance InfiniBand interconnect, delivering the best possible combination of price and performance.

“By adding a 144 port switch to our existing InfiniBand switch product family, we are now able to provide clustering solutions perfectly matched to our customers’ requirements,” said Patrick

Scateni, Director of Business Development of Ciara Technologies. “These powerful building blocks, in combination with our VXRACK Cluster Technology, deliver unmatched performance to the HPC market at an attractive price point.”

OEM Software Development Kit

The MTS14400 includes an OEM software development kit (SDK) designed to integrate with industry standard adaptive management packages. The SDK is provided as source code and supports sophisticated management applications including in-band health checks, firmware updates, and fabric management. The complete, turn-key management solution functions as transparent middleware designed to support industry standard management packages.

High Performance , High Availability, and Flexibility

Based on Mellanox third generation InfiniScale III device, the switch supports full wire speed switching of up to 48 12X (30Gb/s) ports or up to 144 4X (10Gb/s) ports in a high reliability 10U chassis. The third generation switch architecture includes high availability features such as: passive midplane design, and hot-swappable fan and power supply modules.

The MTS14400 offers great flexibility supporting both copper and fiber connectivity for both 12X and 4X links. Fiber support may be added separately for each group of twelve 4X links or four 12X links. This flexibility allows system architects to mix and match copper and fiber as needed to optimize cluster configurations.

Availability

The MTS14400 switch platform is available today through OEMs, system integrators and value added reseller partners, who provide complete, turn-key high performance computing solutions to end users. Current partners offering the MTS14400 include Linux Networx and Ciara Technologies.

About InfiniBand

InfiniBand is the only 10 Gb/sec ultra low latency clustering, communication, storage and embedded interconnect in the market today. InfiniBand, based on an industry standard, provides the

most robust data center interconnect solution available with reliability, availability, serviceability and manageability features designed from the ground up. These features greatly reduce total cost of ownership for the data center. Low cost InfiniBand Interconnect solutions provide 10Gb/sec RDMA transfers delivering up to to 25 times the performance of Ethernet, offer unprecedented performance and density, and outperform proprietary interconnects at a fraction of the cost. With 30 Gb/sec products shipping currently, InfiniBand is at least a generation ahead of competing fabric technologies today and in the foreseeable future.

About Mellanox

Mellanox is the leading supplier of InfiniBand semiconductors, providing complete solutions including switches, host channel adapters, and target channel adapters to the server, communications, data storage, and embedded markets. Mellanox Technologies has delivered more than 200,000 InfiniBand ports over three generations of 10 Gb/sec InfiniBand devices including the InfiniBridge, InfiniHost III, and InfiniScale III devices. The company has strong backing from corporate investors including Dell, IBM, Intel Capital, Quanta Computers, Sun Microsystems, and Vitesse as well as, strong venture backing from Bessemer Venture Partners, Raza Venture Management, Sequoia Capital, US Venture Partners, and others. The company has major offices located in Santa Clara, CA, Yokneam and Tel Aviv Israel.

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