

FasTree-X™ QDR InfiniBand

Modular, Stackable Designs

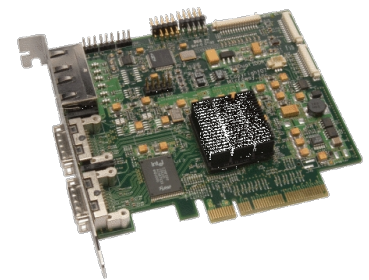
Microway FasTree-X QDR switches leverage Mellanox InfiniScale IV silicon to achieve 2.8Tb/sec switching capacity for full 40Gbps bandwidth across all ports. FasTree-X QDR switches provide new levels of bandwidth and low-latency for demanding applications.



**Microway FasTree-X
36 Port QDR Switches**

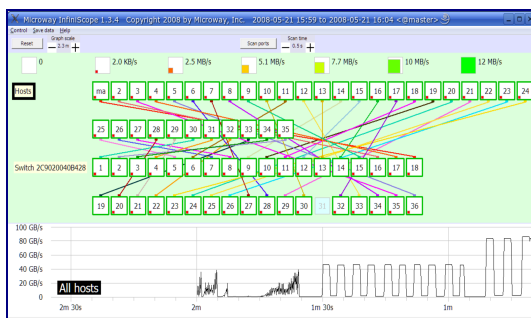
TriCom-X™ HCA Performance: 1 μ s Latency and 40 Gbps

Engineers and computer scientists will appreciate the performance gain from low latency, high bandwidth interconnect. TriCom-X combines Mellanox ConnectX technology with Microway's remote monitoring and switchless serial console.



Microway Network Diagnostic and Management Software

MPI Link-Checker characterizes the interconnect fabric bandwidth, latency and congestion from the MPI applications layer by flooding the network with a wide range of message sizes and analyzing the results.



InfiniScope Real-Time Diagnostics



**MPI Link-Checker -
Cluster Latency and Bandwidth**

Once the fabric is characterized, InfiniScope Real-time Monitoring and Diagnostic Software graphically displays the traffic on any switch, port, HCA or all HCAs combined. Data can be read up to 100 times/sec without impacting fabric performance. InfiniScope also shows the network topology and host-to-host paths as calculated by the subnet manager. QDR, DDR and SDR connections are color coded; links with 1X lane width are shown with flashing lines. Compatible with all Mellanox-based InfiniBand products.



Why InfiniBand?

Accelerating Simulations

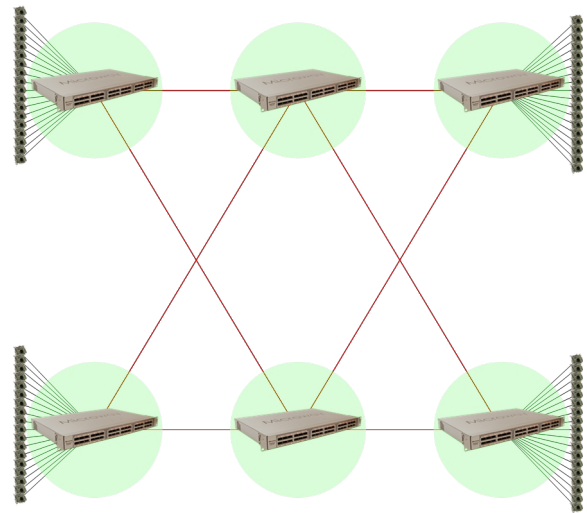
Simulation and analysis are highly sophisticated applications which enable scientists and engineers to get insight into complex phenomena such as financial market behavior, fluid dynamics and cellular biochemistry. InfiniBand significantly improves performance of these applications.

InfiniBand for Storage

Storage solutions benefit from the price, performance and high availability advantage of InfiniBand connectivity.

Cut I/O Power and Cost While Boosting Server Performance

I/O technology plays a key role in the reduction of space and power in the data center, reducing TCO, and enhancing data center agility.



72 port InfiniBand Fabric with Six Microway 36 port QDR Switches

Microway's InfiniBand Fabric Designer Software enables you to envision your network before it's built. Useful for visualizing 24 to thousands of nodes.



FasTree™ 72 Port DDR Switch

FasTree 1U Modular, Scalable Switches

- QDR – 36 Port Switches
- DDR – 24, 36 and Dual-24 Port Switches
- Switch Fabrics to 588 Ports
- Compatible with all Mellanox-based HCAs
- OpenFabrics Enterprise Distribution

Proven High Quality Integration and Technical Expertise

For 28 years, Microway has earned an excellent reputation for delivering computing solutions to Fortune 1000 companies, Government, National Research Labs and Universities world-wide. Microway's professional staff bring years of industry and technical expertise to help customers design and deploy the optimal solution for their application, budget and timeline with fully integrated turnkey solutions.

Microway QDR InfiniBand Solutions		
Product	Description	Size
TRICOM-X QDR	Dual Channel QDR HCA, NodeWatch, Switchless Serial Console	PCIe x8 full height, half length
FASTREE-QDR 36	36 Port QDR InfiniBand Switch, QSFP, redundant power supply	1U height, standard 19" rack

Need more performance?

Call 508-746-7341
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