

# The World's Fastest InfiniBand Switch

From a Company You've Trusted for 24 Years

Microway's **FasTree™** DDR InfiniBand switches run at 5GHz, twice as fast as the competition's SDR models. FasTree's non-blocking, flow-through architecture makes it possible to create 24 to 72 port modular fabrics which have lower latency than monolithic switches.

They aggregate data modulo 24 instead of 12, improving nearest neighbor latency in fine grain problems and doubling the size of the largest three hop fat tree that can be built, from 288 to 576 ports. Larger fabrics can be created linking 576 port domains together.

Working with PathScale's InfiniPath HTX Adapters, the number of hops required to move MPI messages between nodes is reduced, improving latency. The modular design makes them useful for SDR, DDR and future QDR InfiniBand fabrics, greatly extending their useful life. Please send email to [fastree@microway.com](mailto:fastree@microway.com) to request our white paper entitled *Low Latency Modular Switches for InfiniBand*.



▲ 72 Port FasTree™ Configuration

Microway's **QuadPuter®** includes four AMD single or dual core Opteron™ processors, 1350 Watt redundant power supply, and up to 5 redundant, hot swap hard drives—all in 4U. Dual core enables users to increase computing capacity without increasing power requirements, thereby providing the best performance per watt. Constructed with stainless steel, QuadPuter's RuggedRack™ architecture is designed to keep the processors and memory running cool and efficiently. Hard drives are cooled with external air and are front-mounted along with the power supply for easy access and removal. The RuggedRack™ is also available with an 8-way motherboard and up to 128 GB of memory for power- and memory-hungry SMP applications.

Call us first at 508-746-7341 for quotes and benchmarking services. Find technical information, testimonials, and newsletter at [microway.com](http://microway.com).

◀ QuadPuter® Navion™ with hot swap, redundant power and hard drives and four or eight dual core Opterons, offering the perfect balance between performance and density



508.746.7341 [microway.com](http://microway.com)