

# The World's Fastest InfiniBand Switch

From a Company You've Trusted for 23 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.



▲ 72 Port FasTree™ Configuration

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*.

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. One of the most powerful processing platforms in the HPC industry, QuadPuter can serve as a cluster node or a standalone supercomputer. Constructed with stainless steel, its RuggedRack™ architecture is designed to keep the processors and memory running cool and efficiently. The power supply exhaust does not mix with air in the motherboard chamber. Hard drives are cooled with external air and are front-mounted along with the power supply for easy access and removal. The RuggedRack™ is available with an 8-way motherboard, dual-core Opterons 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 & Hard Drives



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