

Flex System IB6131 InfiniBand Switch



As transaction volumes rise, your existing compute and storage clustering interconnects may have trouble keeping up. Yet you know that response time matters—you have to keep up with the competition and new regulations demand real-time risk analysis. You need to be able to scale your network and storage capabilities to meet the demands of your applications.

The Flex System™ IB6131 InfiniBand Switch is designed to offer the performance you need to support clustered databases, parallel processing, transactional services and high-performance embedded I/O applications, reducing task completion time and lowering cost per operation. Virtual Protocol Interconnect also simplifies system development by serving multiple fabrics with one hardware design.

This switch is designed for low latency, high bandwidth, and computing efficiency for performance-driven server and storage clustering applications. Combined with the InfiniBand FDR adapter, your organization can achieve efficient computing by offloading from the CPU protocol processing and data movement overhead such as RDMA and Send/Receive semantics allowing more processor power for the application.

CORE-Direct brings the next level of performance improvement by offloading application overhead, such as data broadcasting and gathering, as well as global synchronization communication routines.

Why System x

System x® is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. System x also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

Flex System combines the compute, storage, management and network in one optimized solution. With this solution, you have the choice to run multiple fabrics, including the fastest InfiniBand solution available in the industry today—FDR speed (56 Gbps) bandwidth. If you are looking to connect this platform to your InfiniBand infrastructure for high performance computing or to host financial services—both of which require high bandwidth and low latency—this switch is an ideal solution.



For more information

To learn more about the Flex System IB6131 InfiniBand Switch, contact your Lenovo representative or visit the following website: ibm.com/systems/flex/networking/infiniband.html

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