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Featured Product

Flextronics 24 Port Infiniband DDR Switch



Description

The Flextronics 1U Infiniband DDR switch is based on Mellanox Infiniscale III technology. This 24 port DDR switch delivers bandwidth of up to 960 Gb/sec with sub 150ns latency. Ideally suited for High Performance Computing clusters, this cost effective Flextronics switch provides industry standard Infiniband switching capabilities at a fraction of the cost of 10GE or other proprietary interconnects. Using the Flextronics DDR IB switches, one can build high performance clusters that scale to your particular needs.

Key Features

- *Modular 24 Port 4X DDR*
- *Non-Blocking, Full Wire Speed*
- *Ultra Low Latency*
- *960 Gigabits of Bandwidth*

Scalability

This 24 port 4X non-blocking DDR Infiniband switch can seamlessly integrate with other like switches or can be coupled with the high density 144 port and 288 port Infiniband switches from Flextronics. Whether you are interested in building small department clusters or want to build a Top 500 cluster, Flextronics switches are the most cost effective and highest performing Infiniband switches in the market.



Management

The management functions available on the Flextronics 1U DDR Infiniband Switch are compatible with any standard InfiniBand-compliant Subnet Management software running externally to the switch. Once connected to an InfiniBand fabric, the InfiniScale III firmware can be updated and managed from remote InfiniBand hosts. Internal temperature, voltages, and the health of each power and fan module can also be monitored remotely over the InfiniBand fabric.

Enterprise Class Switch

This compact 1U chassis features high port density, low power consumption, and robustness that enterprise data centers demand. Support for dual redundant hot swappable power supply and fan tray modules make the Flextronics Infiniband Switches best in class. All key RAS (Reliability, Availability, and Serviceability) features that make Infiniband so attractive including: QoS, multi-cast, automatic node recognition, multi-pathing, and automatic failover are supported. With power requirements less than 50 watts (single supply), the 1U 24 port Flextronics Infiniband switch is clearly a winner

Flextronics 24 Port DDR Infiniband Switch

Benefits

- Lowest Cost Per Port
- Proven DDR Technology
- Industry Leading Bandwidth
- Based on Mellanox Switch

Key Features

- 24 Ports DDR in 1U
- Fully redundant Power and cooling configurations
- 960 Gb/sec bandwidth
- 1 Year warranty with optional extended warranty support
- 100% compatible with all SDR and DDR Infiniband HCA's



FLEXTRONICS

Authorized Representative

Flextronics 24 Port DDR Infiniband Switches

Mechanical and Environmental Specs

- 19 Inch rack mountable chassis
- 1U Height (1.75 inches)
- 15 inches deep
- Weight : 16 lb
- Operating Temperature : 0c to 55c
- Air Flow Front to Rear (External Port Side)
- Power Consumption 50W (per power supply)

Switch Specifications

- 24 Port 4X DDR Infiniband (auto negotiate to SDR)
- Aggregate Throughput : 960Gb/sec
- Cut Through Latency : 140ns
- Single chip Mellanox Infiniscale III device
- Interconnect Options : copper and/or fiber with optional third party media adaptor
- Hot Swap Power Supplies and Fan Tray Module
- Chassis Management Software
- LED Status indicators for Infiniband Ports and Major Components
- Linear Forwarding Table : 48K Entries
- Multicast Table Size : 1K Entries
- Data Virtual Lanes : 8
- Management Virtual Lanes : 1
- MTU Size : 4096 Bytes Max

Power Supply Features

- 120/220V 50/60 Hz input with hot swap controller
- Optional second power supply enables N+1 redundancy
- Dual AC power inputs

Ordering Part Numbers

24 Port 4X DDR Infiniband Switch,
Single Power Supply

- **F-X430044**

24 Port 4X DDR, Infiniband Switch,
Dual Power Supply

- **F-X430046**

Stand Alone Power Supply Unit for
24 Port Switch

- **F-X43M110**

Notes :

1. All Switches include support for third party Fiber Media Adaptors

Contact Information

Web : www.ibswitches.com
E-mail : info@ibswitches.com
Phone : (408)331-6444
Fax : (408)331-6422