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Featured Product

Flextronics 288 Port Infiniband DDR Switch



Description

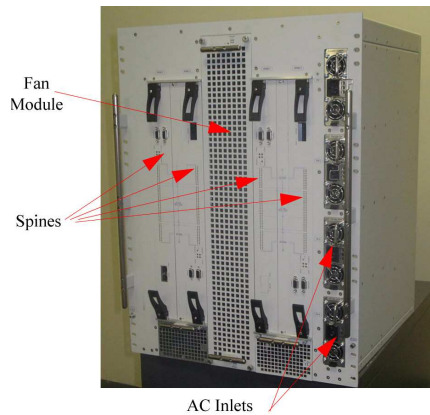
The Flextronics 14.5U Infiniband DDR switch is based on Mellanox Infiniscale III technology. This modular switch offers densities up to 288 ports of DDR Infiniband and delivers bandwidth of up to 11.52 Terabits/sec. Ideally suited for High Performance Computing clusters, this cost effective Flextronics 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 design supporting up to 288 Ports of 4X DDR per chassis
- Non-Blocking, Full Wire Speed
- Ultra Low Latency
- 11.52 Terabits/s of Bandwidth

Scalability

This modular switch can be seamlessly integrated with other like switches or can be coupled with the additional Infiniband switches from Flextronics allowing for clusters scaling to many thousand nodes. 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.



Modular Switch Design

Featuring a passive mid-plane chassis design that interconnects four spine boards and twenty four 12-port leaf boards, dual power supply units and fan tray, this 14.5U chassis offers excellent port density and hot swap capabilities for all components. Each leaf board has 12 external Infiniband 4X DDR copper ports and is based on the industry leading Infiniscale III 20Gb/sec switch silicon from Mellanox. The modular architecture is designed to allow customers to build switch configurations that grow as their port requirements increase over time.

Enterprise Class Switch

This compact 14.5U chassis features high port density, low power consumption, and robustness that enterprise data centers demand. Support for 3 + 1 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.

Flex 288 Port DDR IB Switch

Benefits

- Highest Density Modular Switch
- Proven DDR Technology
- Industry Leading Bandwidth
- Based on Mellanox Switch Silicon
- Ultra low latency

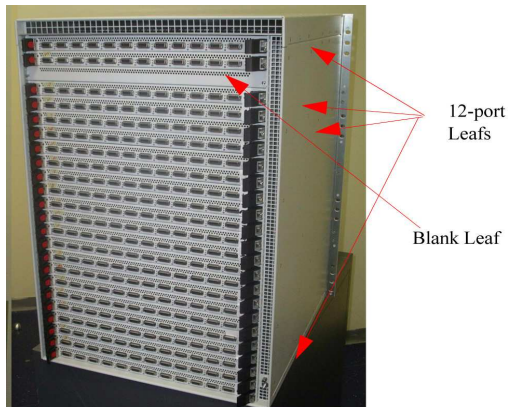
Key Features

- Up to 288 DDR Ports in 14.5U Chassis
- 3 + 1 Redundancy
- 11.52 Terabits/sec bandwidth
- 1 Year warranty with optional extended warranty support
- 100% compatible with all SDR and DDR Infiniband HCA's

FLEXTRONICS

Authorized
Representative

Flextronics 288 Port DDR Infiniband Switches



Mechanical and Environmental Specs

- 14.5U 19 inch rack mountable chassis
- Weight : XXXlb (fully configured)
- Operating Temperature : 0c to 55c
- Air Flow : XXXCFM

Switch Specifications

- Up to 288 Port 4X DDR Infiniband (auto negotiate to SDR)
- Constant Bi-Sectional Bandwidth (CBB) Fat Tree Topology
- Aggregate Throughput : 11.52 Tb/sec
- Supports up to twenty four 12-Port Leaf Boards with 4X Copper Connectors
- Hot Swap Power Supplies and Fan Tray Module
- LED Status indicators for Infiniband Ports and Major Components
- Linear Forwarding Table : 48K Entries
- Multicast Table Size : 16K Entries
- Full in-band management over Infiniband from remote host
- Data Virtual Lanes : 8
- Management Virtual Lanes : 1
- MTU Size : 4096 Bytes Max

Power Supply Features

- Dual 100/240 VAC Inputs
- 1000 Watts per power supply
- 3 + 1 Redundancy
- 48V Internal Distribution

Ordering Part Numbers (DDR Config)

- F-X430096—144 Port Configuration
- F-X430095—156 Port Configuration
- F-X430094—168 Port Configuration
- F-X430093—180 Port Configuration
- F-X430092—192 Port Configuration
- F-X430091—204 Port Configuration
- F-X430090—216 Port Configuration
- F-X430089—228 Port Configuration
- F-X430088—240 Port Configuration
- F-X430087—252 Port Configuration
- F-X430086—264 Port Configuration
- F-X430085—276 Port Configuration
- F-X430084—288 Port Configuration

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