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Featured Product

Flextronics 24 Port Infiniband DDR Switch



Description

The 24 Port Infiniband DDR Cluster Kit includes 24 Mellanox branded Single Port Infiniband DDR HCA's, a Flextronics 24 Port DDR Switch, and 24 Mellanox passive copper Infiniband cables. This cluster kit in a box provides all the necessary components required to interconnect 24 servers in to a high performing Infiniband DDR cluster. All components are genuinely branded Mellanox and Flextronics equipment carrying full 1 year warranties.

Key Features

- *Modular 24 Port 4X DDR*
- *24 Single Port Mellanox DDR HCA's*
- *24 Mellanox Passive Copper Cables*

Flextronics 24 Port DDR Switch

This Flextronics 24 port 4X non-blocking DDR Infiniband switch is based on Mellanox Infiniscale III silicon technology. 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.



Single Port Mellanox DDR HCA's

Included in the kit are 24 of the Mellanox MHGS18-XTC Single Port DDR Infiniband HCA's. These are PCIe X8 Infiniband HCA's operating at 20Gb/sec. Mellanox is the leading supplier of high performance Infiniband products.

Mellanox Infiniband Cables

Mellanox cables are a cost effective solution for connecting InfiniBand fabrics, extending the benefits of Mellanox's high-performance InfiniBand HCAs throughout the network. These cables meet or exceed the IBTA and IEEE standards, and have been rigorously tested with all Mellanox products.



Custom Configurations Available

All Cluster kits sold are based on genuine Mellanox based silicon technology. Custom configurations are also available.

[Request Custom Config Quote](#)

Infiniband 24 Port DDR Cluster Kit

Benefits

- Lowest Cost Per Port
- Proven DDR Technology
- Industry Leading Bandwidth
- Based on Flex Switches and Mellanox HCA's
- Ultra low latency

Key Features

- Kit includes all HCA's, Cables, and Switch to build 24 Port DDR Infiniband Cluster
- Fully redundant Power and cooling configurations
- 960 Gb/sec bandwidth
- 1 Year warranty with optional extended warranty support

FLEXTRONICS

Authorized
Representative

24 Port Infiniband DDR Cluster Kit

Mellanox Single Port DDR HCA's

- Mellanox Part # MHGS18-XTC
- PCI Express Gen 1 x8 interface
- Low Profile PCIe formfactor
- 20Gb/s Infiniband DDR
- 24 HCA's per kit

24 Port DDR Switch Specifications

- Flex Part # F-X430044
- 24 Port 4X DDR Infiniband
- Aggregate Throughput : 960Gb/sec
- Cut Through Latency : 150ns
- 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

Mellanox Infiniband Cables

- Mellanox Passive Copper Cables
- (12) 1 Meter Cables
 - Mellanox Part # - MCC4L30-001
- (12) 3 Meter Cables
 - Mellanox Part # - MCC4L30-003
- Genuine Mellanox Cables

Reference Information and Links

- Latest Mellanox OFED Driver-Stack
- Mellanox MHGS18-XTC Product Brief
- Flextronics 24 Port DDR Switch Product Brief
- Product Datasheets

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