



## Featured Product

### Flextronics 8 Port Infiniband SDR Switch



#### Description

The 8 Port Infiniband SDR Cluster Kit includes 8 Mellanox branded Single Port Infiniband SDR HCA's, a Flextronics 8 Port SDR Switch, and 8 Mellanox passive copper Infiniband cables. This cluster kit in a box provides all the necessary components required to interconnect 8 servers in to a high performing Infiniband cluster. All components are genuinely branded Mellanox and Flextronics equipment carrying full 1 year warranties.

#### Key Features

- *Modular 8 Port 4X SDR Switch*
- *8 Single Port Mellanox SDR HCA's*
- *8 Mellanox Passive Copper Cables*

#### Flextronics 8 Port SDR Switch

This Flextronics 8 port 4X non-blocking SDR Infiniband switch is based on Mellanox Infiniscale 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.

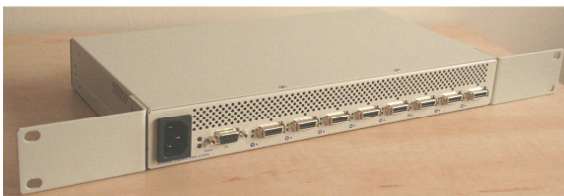
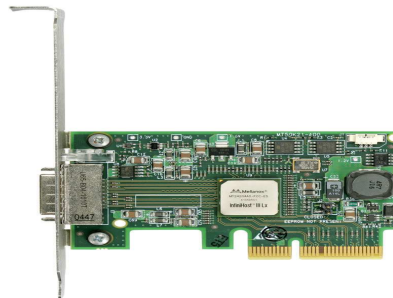


Figure 6: View of Rack Adapter Assembled on Rear Panel Sides



#### Single Port Mellanox SDR HCA's

Included in the kit are 8 of the Mellanox MHES14-XTC Single Port SDR Infiniband HCA's. These are PCIe 4X Infiniband HCA's operating at 10Gb/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 8 Port SDR Cluster Kit

#### Benefits .....

- Lowest Cost Per Port
- Proven Infiniband 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 8 Port SDR Infiniband Cluster
- optional extended warranty support

# *8 Port Infiniband SDR Cluster Kit*

## **Mellanox Single Port DDR HCA's**

- Mellanox Part # MHES14-XTC
- PCI Express Gen 1 x4 interface
- Low Profile PCIe formfactor
- 10Gb/s Infiniband DDR
- 8 HCA's per kit

## **8 Port SDR Switch Specifications**

- Flex Part # F-X430066
- 8 Port 4X SDR Infiniband
- Aggregate Throughput : 960Gb/sec
- Cut Through Latency : 200ns
- Single chip Mellanox Infiniscale device
- Interconnect Options : copper and/or fiber with optional third party media adaptor
- 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
- (8) 1 Meter Cables
  - Mellanox Part # - MCC4L30-001
- Genuine Mellanox Cables

## **Reference Information and Links**

- [Latest Mellanox OFED Driver-Stack](#)
- [Mellanox MHES14-XTC Product Brief](#)
- [Flextronics 8 Port Switch Product Brief](#)
- [Product Datasheets](#)

## **Contact Information**

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