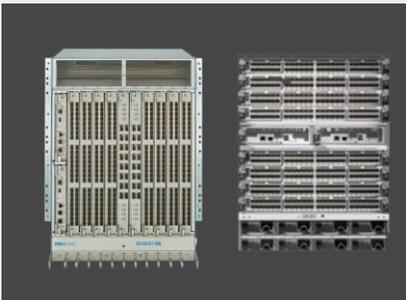


Dell Connectrix Mainframe Offerings

Storage Networking for Mainframe FICON Environments.

Connectrix supports cascaded topologies within and across data centers

Connectrix also supports for IBM Control Unit Port (CUP) management



Dell offers a choice of two product lines for SAN:

- Connectrix B-Series
- Connectrix MDS Series

Dell enterprise storage systems provide mainframe applications with fast and reliable access to data across the application environment. Today your storage network can run your business-critical mainframe FICON applications 32 Gigabits per second (Gb/s) with SAN Extension solutions supporting up to 40 Gigabit Ethernet speeds.

Connectrix directors provide non-disruptive and automatic failover through redundant components. Resident diagnostics quickly identify and pinpoint system anomalies. Connectrix directors support all the required IBM Z mainframe features for robust availability and security. Connectrix products provide high integrity fabric support through Inter-switch Links (ISLs) and in-band management through Control Unit Port (CUP) and Fibre Channel Protocol (FCP) Intermix support. An automatic “phone-home” capability notifies Dell’s Remote Support Facility and activates appropriate product support services, including dispatch of service personnel when necessary.

Connectrix B-Series

The mainframe enterprise 64Gigabit per second (Gb/s) director models include the 384-port ED-DCX7-8B and the 192-port ED-DCX7-4B. These models include the Mainframe license. Unique to the Connectrix B-Series directors, IBM supports Inter-Chassis Links (ICLs) for IBM Z Systems. ICLs connect the backplanes of the directors together instead of using Inter-Switch Links which connects directors together port-to-port. In addition to directors, there are two FICON-qualified Connectrix B-Series switches.

Connectrix B-Series	Switch Ports	Maximum Speed
ED-DCX7-4B	192	64Gb/s FC
ED-DCX7-8B	384	64Gb/s FC
MP-7850B	Up to 24 total FC ports – eight DD-SFPs and eight SFP+ ports; 18 total Ethernet ports; 16 SFP+ 25 GigE and two 100 GigE ports	64Gb/s FC
DS-7720B	24 - 64	64Gb/s FC
DS-6620B	24 - 64	32Gb/s FC

SANnav provides Connectrix B-Series management. SANnav Management Portal and SANnav Global View empower IT administrators to be more efficient and productive by providing comprehensive visibility into the SAN environment. These tools transform information about SAN behavior and performance into actionable insights, allowing administrators to quickly identify, isolate and correct problems before they impact the business.

Connectrix MDS Series

The line rate 64Gb/s enterprise directors for mainframe includes the 384-port MDS-9710-V2 and the 192-port MDS-9706-V2. Unique to Connectrix MDS for mainframe is Virtual SANs. VSAN technology enables isolation of traffic, segregation of management and management of fault domains. VSANs can be used to separate production environments from test or development environments, FICON from Fibre Channel Protocol (FCP) applications, or even storage from tape storage. Connectrix MDS FICON directors support up to eight FICON VSANs each with their own IBM Control Unit Port (CUP) device.

Connectrix MDS for mainframe also supports long distance tape and remote storage replication plus complete interoperability Forward Error Correction (FEC).

In addition to directors, there are two Connectrix MDS switches that support mainframe.

Connectrix MDS	Ports	Maximum Speed
MDS-9706-V2	192 FC ports	64Gb/s FC
MDS-9710-V2	384 FC ports	64Gb/s FC
MDS-9220i	12 Fibre Channel 4 Gigabit Ethernet 3 Gigabit Ethernet	32Gb/s FC 1/10 GbE 40 GbE

Connectrix MDS Nexus Dashboard Fabric Controller is the management tool for MDS. With its modern design, NDFC optimizes the overall uptime and reliability of your data center infrastructure and helps improve business continuity. NDFC automates provisioning, monitors and detects congestion, and provides faster problem resolution using a modern user interface.



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