

EMC Connectrix MP-7500B Multi-Protocol SAN Router

The EMC® Connectrix® MP-7500B router combines Fibre Channel connectivity with routing services and performance-optimized FCIP. Fibre Channel Routing Services provide a seamless way to share resources such as tape drives or storage arrays across multiple SANs without the complexity of physically merging those SANs. This greatly improves resource sharing, simplifies management, and reduces the overall complexity of the SAN. The MP-7500B supports multiple applications for SAN extension and disaster recovery, including EMC Symmetrix® Remote Data Facility (SRDF®), MirrorView™, and SAN Copy™-based replication solutions.

System Architecture

Fibre Channel Standards

FC-PH; FC-PH-2; FC-PH3; FC-GS-2; FC-FLA; FC-FG; FC-SW3

Ports

18 total ports: 16 Fibre Channel (E, F, FL, EX) and two Gigabit Ethernet

Performance

Fibre Channel: Fibre Channel: 1.063/2.125/4.250 Gb/s line speed, full duplex; auto-sensing of 1, 2, and 4 Gb/s port speeds; optionally programmable to fixed port speed; speed matching between 1, 2, and 4 Gb/s ports

Ethernet: 1.25 Gbit/sec

Fabric Latency

Depends on storage application

Classes of Service

Class 2 & 3

Port Types

FL_Port, F_Port, EX_Port, and E_Port; self-discovery based on switch type (U_Port); Gigabit Ethernet for VE and VEX

Media Types

Small Form Factor Pluggable (SFP) LC Connectors up to 500 meters. Long wave length laser (LWL) up to 10 km.

Fabric Services

Simple Name Server, Registered State Change Notification (RSCN); FC-FC Routing Service, Advanced Zoning, and Advanced WEB TOOLS

Optional Features

FCIP Tunneling Service, ISL Trunking, Advanced Performance Monitor, Fabric Watch

Hot-swappable Components

Hot-pluggable SFP media; redundant power supplies and redundant fans

Installation Options

19" EIA-310D compliant rack

Management

Interface

Advanced WEB TOOLS, SNMP, Telnet, API

Management Access

10/100 Ethernet port (RJ-45); serial port

Diagnostics

Power-on self-test and embedded online/offline diagnostics

Physical Specifications

Depth (in/cm)	25.40/64.56
Height (in/cm)	1.69/4.29
Width (in/cm)	16.88/42.87
Weight (lb/kg)	30.2/13.7 with two power supplies, no SFPs

Environmental Specifications

Temperature (°F/°C)

Operating: 50 to 104/10 to 40

Humidity

Operating and non-operating: 20% to 85% non-condensing

Altitude (feet/meters)

Operating: 10,000/3,000



Power Requirements

AC Input

Nominal: 2.2 A @ 100–120 VAC; 1.1 A @ 200–240 VAC

Frequency

47 – 63 Hz

Regulatory Requirements

	Safety	EMI
United States	UL Listing/Recognition to UL 60950	FCC Part 15B Class A
Canada	CSA Certificate or C-UL Listing/Recognition to CSA 22.2 60950	Canada ICES-003 Class A
Australia/New Zealand	ACA Ctick Approval to AS/NZS 3548	
Japan	VCCI Approval to V3	
Europe	EN61000-3-2; EN61000-3-3; TUV License to EN 60950	EN55022:1998; EN55024:1998 EN55022:1998; EN55024:1998
International	CB Certificate to IEC 60950	CISPR22:1997 3rd Edition Class A
South Korea	Class 1 Laser Product per DHHS 21CFR (I) and IEC 60825	RRL certification
Russia	GOST Certification	
Taiwan	BSMI Approval to CNS13438	



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Specification Sheet
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