



Sphereon™ 4500 Fabric Switch



The Sphereon 4500 offers:

Unbeatable flexibility

- FlexPort: connectivity on demand
- Universal ports

Lower cost of ownership

- More standard features
- Pay as you grow options
- Fewer ISLs

Simplified scalability

- Large 24-port count
- High port density

Superior functionality

- HotCAT™ for hot code load and activation
- FlexPort technology



UNPRECEDENTED CONNECTIVITY ON DEMAND

McDATA's 24-port Sphereon™ 4500 offers unprecedented 2Gb/s connectivity on demand with McDATA's exclusive FlexPort technology. Minimize your initial SAN investment by purchasing only the ports you need today, while reaping the benefits of having standby capacity for tomorrow. Additional connectivity can be added quickly to the same switch without disruption. The large 24-port-count switch size reduces the number of inter-switch links (ISLs) needed as the fabric grows — simplifying management and lowering the cost per useable port.

The Sphereon 4500 provides exceptional data availability plus data security with McDATA's SANtegrity™ Security Suite software. The Sphereon 4500 includes more standard features than competitive offerings, including McDATA's exclusive HotCAT™ code load and activation technology and SANpilot™ software — a browser-based management tool perfect for managing small fabrics. With the most standard features, exceptional scalability, larger port count, and connectivity on demand with FlexPort, the Sphereon 4500 is the ideal SAN building block for data-intensive small to mid-size enterprises.



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Availability

HotCAT™ on-line, non-disruptive firmware load and activation

FlexPort non-disruptive scalability in 8-port increments

Hot-plug, redundant power system and cooling

Hot-plug small form factor (SFP) transceivers

On-line diagnostics

Fault isolation tools for network-wide activity

Compatibility

Fibre Channel

Protocols: FC-AL-2, FC-DA, FC-GS-4, FC-FS, FC-MI, FC-PH-3, FC-SB-2, FC-SB-3, FC-SWAPI, FC-PI, FC-SW-3, FC-MJS

SNMP: FC-MIB TCP/IP MIB II

Fibre Channel

Classes of Service: Class 2, 3, and F

Performance

Port Speed: 1.0625 - 2.125Gb/s, full duplex

Aggregate Throughput: 96Gb/s

Latency: Less than 1 microsecond average

Scalability

Ports per Chassis: 24 GL ports

Media Type: Hot plug, industry standard LC small form factor (SFP)

Distance: 20 km (1Gb/s), 10 km (2Gb/s) - 4 ports

Management Options

SANpilot™ Fabric Management – Browser-based

SANavigator®

Enterprise Fabric Connectivity Manager (EFCM)

SNMP

Open Systems Management Server (OSMS)

Command Line Interface (CLI)

Management Access

In-band

Ethernet (10/100 Mb/s)

Fabric Services

Simple name server

In order delivery (Class 2,3)

Management server (optional)

Broadcast

Name server zoning

Diagnostics

Power on self-test (POST)

On-line port, internal & external loopback

On-line system health

Serviceability

Hot-plug power and cooling modules

Hot-plug optics

HotCAT firmware load and activation

Call home, email (with McDATA software)

Maintenance port

Thermal event logging

Unit, port, and FRU beaconing

System error LED

FRU failed LED

Physical Dimensions

Height: 1.6" / 4.1 cm (1U)

Width: 17.2" / 43.7 cm (19" rack mountable)

Depth: 18.6 / 47.3 cm"

Weight: 19 lbs. / 8.6 kg

Installation Options

Rack mountable, 19" EIA rack

Stackable tabletop

Environmental

Non-operating: Temp: -40°F to 140°F
Humidity: 5% - 80%
Altitude: 40,000 ft

Operating: Temp: -40°F to 125°F
Humidity: 8% - 80%
Altitude: 10,000 ft

Electrical

Operating Voltage: 100 - 240 VAC

AMPs: 0.5 amps @ 208 VAC

Watts: 49 watts

Heat Output: 167 BTU/hr

Regulatory

UL, TUV, CE Mark, VCCI Class A, FCC part 15 Class A

McDATA Corporate

380 Interlocken Crescent
Broomfield, CO 80021
USA
800.545.5773
720.558.8000

McDATA Europe

Technologiezentrum
Postfach 10 31
D-85501 Ottobrunn
Germany
(49) 89.607.39776

McDATA Asia Pacific

8F Nikko Ichiban-cho Bldg.
13-3 Ichiban-cho, Chiyoda-ku
Tokyo 102-0082
Japan
(81) 3.3512.3671