



## Sphereon™ 4300 Fabric Switch

### Effective Connectivity for Entry Fibre Channel Applications

The Sphereon 4300 is a simple, effective entry SAN solution with the McDATA heritage of interoperability and compatibility that cannot be beat.

The Sphereon 4300 offers:

#### Unbeatable Flexibility

- FlexPort: connectivity on demand
- Universal ports, E-port optional with full fabric feature

#### Lower Cost of Ownership

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

#### Simplified Scalability

- FlexPort Technology options of 4, 8 or 12 ports

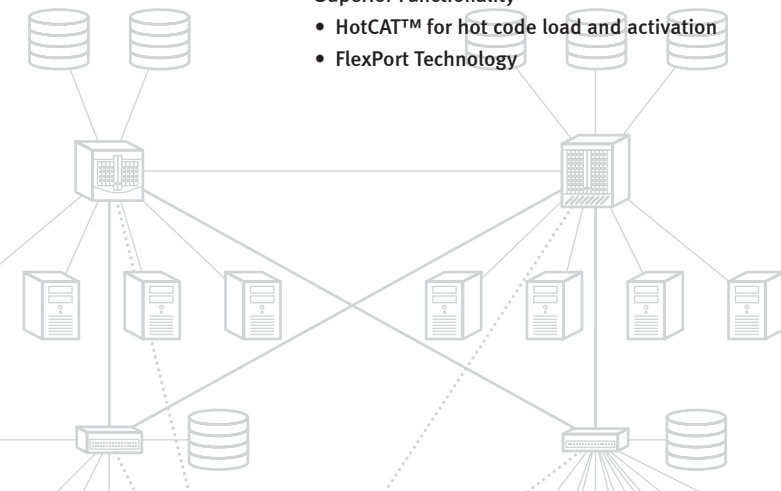
#### Superior Functionality

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

McDATA's 12-port Sphereon™ 4300 extends the advantages of the award-winning Sphereon 4500 to the entry level with premium functionality priced right for first-time SAN installations or at the edge of the enterprise. The Sphereon 4300 is the only entry fabric switch to provide unique features such as HotCAT™ online code activation and FlexPort Technology capacity on demand. These exclusive features deliver reliability and flexibility greatly simplifying storage environments and delivering a much lower total cost of ownership when compared with restrictive DAS solutions.

The Sphereon 4300 allows your environments to grow beyond the boundaries of other similar products. With FlexPort Technology, you can start with as few as four ports and grow the SAN by adding ports — on demand and without interruption — as your business grows. This flexibility greatly reduces the risk of SAN deployment by eliminating the need to over-invest in unused ports or putting future growth at risk by under-investing in a solution that will not scale. The optional full fabric feature gives customers the choice to grow their SAN to include multiple switches — again, on demand and without interrupting the existing environment.

The Sphereon 4300 makes SANs simple with an uncomplicated design. Everything a first-time SAN requires is built in. Management is a snap with the included, browser-based SANpilot™ management software. Whether you have a single switch or a small fabric SANpilot provides all of the necessary features and functionality to manage it.



# Sphereon 4300 Fabric Switch



## Availability

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

FlexPort non-disruptive scalability in 4-port increments

Single integrated 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

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: 48Gb/s

Latency: Less than 1 microsecond average

## Scalability

Ports per Chassis: 12 GL ports

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

Distance: 20km (1Gb/s), 10km (2Gb/s) with optional full fabric feature

## Management Options

SANpilot™ Fabric Management —Browser-based 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)

Online port, internal & external loopback

Online system health

## Serviceability

Hot-plug optics

HotCAT firmware load and activation

Maintenance port

Thermal event logging

Unit, port, and FRU beaconing

System error LED

## Physical Dimensions

Height: 1.75" (1u)

Width: 17" (19" rack mountable)

Depth: 17.5"

Weight: 15 lbs.

## Installation Options

Rack mountable, 19" EIA rack

Stackable tabletop

## Environmental

Non-operating: Temp: -40°F to 125°F

Humidity: 8% - 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: 1.25 - 0.67 AMPS typical,  
2 AMPS maximum rating

Watts: Less than 37W

Heat Output: 127 BTU/hr

## Regulatory

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



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