



Sphereon™ 4300 Fabric Switch



The Sphereon 4300 offers:

Flexibility

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

Low cost of ownership

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

Superior functionality

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

A SIMPLE, EFFECTIVE ENTRY-LEVEL SAN SOLUTION

McDATA's Sphereon™ 4300 is an entry level switch that offers 12 ports at 2 Gb/s. The Sphereon 4300 provides unique features such as HotCAT™ online code activation and FlexPort technology capacity on demand. These exclusive McDATA features deliver reliability and flexibility, greatly simplifying storage environments and delivering a much lower total cost of ownership when compared to restrictive DAS solutions.

The Sphereon 4300 allows your environment to grow as your need grow. With FlexPort technology, you can start with as few as four ports and grow the SAN by adding ports — on demand and without interruption. This flexibility greatly reduces risk by eliminating over-investment in unused ports or under-investment in a solution that will not scale. The optional full fabric feature gives customers the choice to grow their SAN to include multiple switches.

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 EFCM Basic management software. Whether you have a single switch or a small fabric, EFCM Basic provides all of the necessary features and functionality to manage it.

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AVAILABILITY

HotCAT™ online, 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
Online 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 - 2.125 Gb/s, full duplex
Aggregate Throughput: 48 Gb/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 (1 Gb/s), 10km (2 Gb/s) with optional full fabric feature

MANAGEMENT OPTIONS

EFCM Basic Fabric Management –
Browser-based
SNMP
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 140°F
Humidity: 5% - 80%
Altitude: 40,000 ft
Operating: Temp: -40°F to 104°F
Humidity: 5% - 80%
Altitude: 10,000 ft

ELECTRICAL

Operating Voltage: 100 - 240 VAC
AMPs: 1.25 - 0.67 AMPs typical,
2 AMPs maximum rating
Watts: 37 watts
Heat Output: 127 BTU/hr

REGULATORY

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

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