

BROCADE M4400 AND M4700 FABRIC SWITCHES



STORAGE AREA NETWORK

The Most Flexible Fabric Switches In The Industry

HIGHLIGHTS

Lower cost of ownership

- Initial investment minimized
- Competitively priced port upgrades
- Investment protection

Unprecedented flexibility

- Flexport™ technology
- Fabric services and ISL capability on every port
- Auto-negotiate 4G, 2G and 1G

Simple installation and operation

- Installation and configuration wizards
- Browser-based management tool
- Brocade EFCM Basic software

High performance and availability

- Full-featured 4 Gbit/sec Fibre Channel non-blocking ports
- Redundant power
- Dynamic buffer credit configuration
- HotCAT™ (Hot Code Activation Technology)
- Brocade EFCM support for large fabric management
- FICON/CUP support

Brocade's next-generation Fabric Switches offer "no-compromise" value: they feature enterprise-class functionality, 4 Gbit/sec performance and low total cost of ownership. Brocade® switches are the most flexible fabric switches in the industry, meeting the needs of companies of all sizes with a wide range of SAN environments.

BROCADE M4400: HIGHEST PERFORMANCE, SMALLEST PACKAGE

The 16-port Brocade M4400 is the smallest full-featured 4 Gbit/sec switch on the market today. At less than half a rack width, the Brocade M4400 delivers unmatched flexibility of deployment. Companies can either securely mount a single unit in 1U or mount two units side by side for the highest 1U port density or to achieve fabric redundancy.

BROCADE M4700: LARGER PORT COUNT AT A MID-TIER PRICE

The Brocade M4700 is ideal for companies that require a higher port count and enterprise-class functionality at a mid-tier

price. Starting at 16 non-blocking ports and growing to 32 in 8-port increments, the Brocade M4700 supports the growth needs of your mid-sized company or enterprise department. It is also FICON/CUP qualified for seamless integration into mainframe environments.

BROCADE HALLMARK FEATURES AND FUNCTIONALITY

The Brocade M4400 and M4700 share Brocade's enterprise-class features that make them ideal for companies of all sizes. They offer easy-to-use installation wizards and configuration software as well as complimentary Brocade EFCM Basic SAN management software.



MAXIMIZING SAN INVESTMENTS

Brocade and its partners offer complete SAN solutions to meet a wide range of technology and business requirements. These solutions include education and training, support, service, and professional services to help optimize SAN investments. For more information, contact an authorized Brocade sales partner or visit www.brocade.com.

BROCADE M4400 AND BROCADE M4700 FABRIC SWITCHES SPECIFICATIONS

Availability	
Core	
HotCAT™ online, non-disruptive firmware load and activation	
Hot-plug small form factor (SFP) optics	
Online diagnostics	
Fault isolation tools for network-wide activity	
Brocade M4400	
FlexPort non-disruptive scalability in 4-port increments	
Hot-plug, redundant external power supplies (optional)	
Brocade M4700	
FlexPort non-disruptive scalability in 8-port increments	
Hot-plug, redundant power supplies with integrated cooling	
Compatibility	
Core	
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
Brocade M4700	
FICON/CUP support	
Performance	
Core	
Port Speed	1.0625, 2.125 and 4.25 Gbit/sec, full duplex
Aggregate throughput	256 Gbit/sec for M4700; 128 Gbit/sec for M4400
Latency	Less than 1 microsecond average
Scalability	
Core	
Media Type	Hot-plug, industry standard LC small form factor pluggable (SFP)
Distance	Up to 50km at 4 Gbit/sec, 200km at 1 Gbit/sec
Brocade M4400	
Ports per chassis	16 GL ports
Brocade M4700	
Ports per chassis	32 GL ports

Management Options

Core

Brocade EFCM Basic – Browser based tool comes standard with all Brocade switches

Brocade EFCM management (optional)

SNMP

Command Line Interface (CLI)

Open Systems Management Server (OSMS)

Management Access

In-band

(10/100 Mb/s) Ethernet (RJ-45)

Fabric Services

Core

Simple name server

In order delivery (Class 2, 3)

Management server (optional)

Broadcast

Name server zoning

Diagnostics

Core

Power on self-test (POST)

Online port, internal and external loop-back

Online system health

Predictive optics monitoring

Serviceability

Core

Hot-plug optics

HotCAT™ firmware load and activation

Call home, email (with Brocade software)

Maintenance port

Thermal event logging

Unit, port and FRU beaconing

System error LED

FRU failed LED

Brocade M4400

Hot-plug power supply (if optional second power supply is attached)

Brocade M4700

Hot-plug power supplies with fans

Physical Dimensions

Brocade M4400

Height 1.6" (fits 1U)

Width 7.8" (two fit side-by-side in 19" rack)

Depth 12.3"

Weight 8.8 pounds

Brocade M4700

Height 1.6" (fits 1U)

Width 17.2" (19" rack mountable)

Depth 15.5"

Weight 15.0 pounds

BROCADE M4400 AND M4700 SPECIFICATIONS (CONTINUED)

Installation Options

Core

Rack mountable in 19" EIA compatible rack Brocade M4400 on optional Brocade shelf;
Brocade M4700 on optional rack kit

Stackable tabletop

Environmental

Non-operating

Temp -40° F to 140° F

Humidity 8% to 80%

Altitude 40,000 ft

Operating

Temp 40° F to 104° F

Humidity 8% to 80%

Altitude 10,000 ft

Electrical

Core

Operating Voltage 90 - 264 VAC

Brocade M4400

Watts 34 watts

AMPs 0.17 amps @ 208 VAC

Output 116 BTUs/hr

Brocade M4700

Watts 70 watts

AMPs 0.315 amps @ 208 VAC

Output 239 BTUs/hr

Regulatory

Core

CB, CE, ULCUL, UL AR+S, UL DEMKO, GS,GOST, NOM, AUS/NZ, FCCA, MIC, VCCI, CCC,BSMI

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