Intrepid® 6140 Director

Intrepid® 6140 Director:

- **Ensures business continuance through 99.999 percent availability**

- **Maximizes system administrator resources with centralized management**

- **Delivers consistent high performance**

- **Provides investment protection through protocol-independent design**

- **Enables flexible deployment through support for both Fibre Channel and FICON**

INTREPID 6140 DIRECTOR

The McDATA Intrepid® 6140 Director is the best choice for supporting mission-critical business requirements—24x7. A SAN built with a 4- and 10-Gb/s-capable Intrepid Director at the core keeps pace with exponential storage growth and can evolve to meet unexpected changes in your business.

The 140-port 6140 Director provides the highest availability and is the perfect high-performing, flexible building block for very large SAN deployments, with hundreds or even thousands of ports. It is the only single-stage, 140-port director designed today with a protocol-independent architecture to support tomorrow's emerging technologies. The Intrepid 6140 also provides exceptional flexibility by meeting the connectivity demands of higher-port-count storage networks and mainframe FICON environments. Today's enterprise requires scalability and flexibility—and the Intrepid 6140 delivers. With FlexPort technology, companies can add capacity in 4-port increments as their needs grow.

By coupling McDATA Intrepid Directors with our extensive switch, distance and software solutions, customers can implement highly available networks to support tiered storage models utilized in data centers around the globe.

Intrepid® 6140 Director

AVAILABILITY

99.999%

Hot-plug, redundant power supplies, fans, processors

Hot-plug optics, port modules

Online diagnostics

HotCAT™ technology for online, non-disruptive firmware load and activation

COMPATIBILITY

Fibre Channel Protocols:
FC-PH v. 4.3, FC-PH-2, FC-PH-3, FC-GS-2, FC-FLA, FC-FG, FC-SW-2, FC-SW-3

Fibre Channel Element MIB:
FE-MIB

TCP/IP MIB-II Groups:
System, Interface, Address Translation, IP, ICMP, TCP, UDP, SNMP

Classes of Service: Class 2, Class 3, Class F

PERFORMANCE

Port Speed: 2 Gb/s, full duplex

Buffer Credits: 60 per port

Switch Latency: Less than 2 microseconds average

SCALABILITY

Ports per Chassis: 140 Ports

Media Type: Hot-plug, industry standard LC Small Form Factor

Supported Optical Media Types/Distance:

Shortwave: 500m (1,640 ft.) / 1 Gb/s

300m (984 ft.) / 2 Gb/s

Longwave: 10 km (6.2 mi.) / 2 Gb/s
20 km (12.4 mi.) / 2 Gb/s
35 km (21.7 mi.) / 2 Gb/s

With Repeaters: 120 km (1 Gb/s), 60 km (2 Gb/s)

Cabling: 62.5/125 micron multimode, 300m (1,148 ft.)

50/125 micron multimode, 500m (1,640 ft.)

9/125 micron single mode, 0 km (6.2 mi.)

MANAGEMENT OPTIONS

SANavigator® Software

Enterprise Fabric Connectivity Manager (EFCM)

SA OS/390 through FICON Management Server (CUP)

SNMP

Open Systems Management Server

FABRIC SERVICES

Simple Name Server

Management Server (optional)

Broadcast

Name Server Zoning

ACCESS

In-band
Ethernet (10/100 Mb/s)

DIAGNOSTICS

Power-on self test
Online port, CTP, SBAR
Internal and external loopback
Online system health

SERVICEABILITY

Non-disruptive firmware upgrades
HotCAT™ (hot code activation technology)
Call-home, e-mail (with McDATA software)
Smart thermal protection
Unit, Port, FRU beaconing

INSTALLATION OPTIONS

Rack mountable, 19 inch EIA rack

ENVIRONMENTAL

Non-operating temp:
34º F to 140º F

Non-operating humidity:
5%-80%

Non-operating altitude:
12,192 m (40,000 ft.)

Operating temp: 40º F to 104º F

Operating humidity:
8%-80%

Operating altitude:
3,048 m (10,000 ft.)

Physical Dimensions

Height: 52.9 cm
(20.8 in. 12U)

Width: 44.5 cm
(17.50 in.)

Depth: 61.3 cm
(24.1 in.)

Weight: 75.9 kg
(167 lbs.)

ELECTRICAL

Operating voltage: 200-240 VAC

AMPs (max.): 4.2 AMPs

Heat output (max.): 2,873 BTU/hour

Watts (max.): 841 Watts

Regulatory: UL, CSA, CE Mark, VCCI Class 1, FCC Part 15

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