



## McDATA Intrepid® 10000 Director



### The i10K Director:

- Simplifies networks with the highest non-blocking port count (256)
- Maintains security between consolidated fabrics with Director FlexPar™ technology
- Meets fluctuating bandwidth needs with dynamic port allocation
- Supports multiple protocols and vendor equipment
- Non-disruptively inserts into networks
- Ensures business continuance with carrier-class availability
- Supports business continuity with link distances greater than a 2,000km at 1 Gb/s ( 190km at 10 Gb/s)

### THE FIRST BACKBONE DIRECTOR FOR THE ENTERPRISE

Today's enterprise SANs are growing exponentially. To reduce costs and make the best use of storage equipment, companies must find new solutions that enable them to simplify vast and diverse storage networking environments. Introducing the i10K Director, the first backbone director for the enterprise. With the i10K, companies can now securely and efficiently consolidate very large, diverse and geographically distributed networks. The i10K offers up to 256 non-blocking 1 Gb/s or 2 Gb/s I/O ports (or a combination of both, including 10 Gb/s ports) in a compact, 14RU height chassis. The Intrepid i10K is the highest performance SAN switching device available today.

### TIERED NETWORKING WITH THE i10K:

#### MAKING THE BEST USE OF STORAGE RESOURCES

Similar to the evolutions that occurred in both Ethernet and telecommunications networks, storage networks are migrating toward a "tiered" structure to enable them to efficiently manage very large and growing network resources. By tiering the storage network into "backbone," "distribution" and "access" layers, companies can save money by dedicating the appropriate switching resource to the application that is best served by its level of reliability and throughput.

The i10K is the only product available today that delivers the scalability, reliability, flexibility and security needed to serve as the backbone of the enterprise data center. It uniquely meets the needs of rapid application growth, on demand. And it is the only product today that offers Director FlexPar™ technology (hardware-enforced partitioning), which enables the consolidation of multi-vendor fabrics while maintaining secure separation of data, management and Fibre Channel Services. The i10K is the ideal backbone for the large enterprise data center.

# McDATA Intrepid® 10000 Director

## AVAILABILITY

99.999%  
Hot-plug, redundant power supplies, fans, processors, switch cards  
Hot-plug optics, port modules  
Online diagnostics  
HotCAT™ technology for online, non-disruptive firmware load and activation

## SUPPORTED CONNECTIVITY

Fibre Channel, FICON w/CUP

## COMPATIBILITY

Fibre Channel Protocols: FC-PH, FC-PH-2, FC-PH-3, FC-GS-2, FC-GS-3, FC-FLA, FC-FG, FC-MI, FC-SW, FC-SW-2, 10GFC, FC-FS, FC-PI, FC-SB-2, FC-SB-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 and 10 Gb/s at full duplex  
Buffer Credits: Up to 1373 per 16 ports, user configurable

## SCALABILITY

Ports per Chassis: 256 ports  
Media Type: Hot-plug, industry standard LC Small Form Factor

## SUPPORTED OPTICAL MEDIA

	1 Gb/s and 2 Gb/s
Shortwave	500m (1,640 ft) at 1 Gb/s 300m (1,148 ft) at 2 Gb/s
Longwave	10km (6.2 mi) 35km (21.7 mi)
Dist. w/Repeaters	Up to 2,276km (1141 mi) at 1 Gb/s
	10 Gb/s
Shortwave	82m (269 ft) with OM2 cable 300m (1,148 ft) with OM3 cable
Longwave	10km (6.2 mi) 35km (21.7 mi)
Dist. w/Repeaters	Up to 190km (117 mi)

## MANAGEMENT OPTIONS

SANavigator® Software  
Enterprise Fabric Connectivity Manager (EFCM)  
SNMP V1/2/3  
Telnet CLI  
FICON Management Server (CUP)

## FABRIC SERVICES

Simple Name Server  
Name Server Zoning Access  
Ethernet (10/100 Mb/s)

## DIAGNOSTICS

Power-on self test  
Internal and external loopback  
Online system health

## SERVICEABILITY

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

## INSTALLATION OPTIONS

Rack mountable, McDATA FC-512 rack

## ENVIRONMENTAL

Non-operating temp: 1° C to 60° C (34° F to 140° F)  
Non-operating humidity: 5%-80%  
Max. non-operating altitude: 12,192 m (40,000 ft.)  
Operating temp: 0° C to 40° C (32° F to 104° F)  
Operating humidity: 8%-80%  
Max. operating altitude: 3,048 m (10,000 ft.)

## PHYSICAL DIMENSIONS

Height:	67.2 cm (24.5 in. 14U)
Width:	44.3 cm (17.5 in.)
Depth:	86.4 cm (34 in.)
Weight:	152.0 kg (335 lbs.)

## ELECTRICAL

Operating voltage: 200-240 VAC  
AMPs (max.): 12 AMPs @ 208 VAC  
Heat output (max.): 8,533 BTU/hour  
Watts (max.): 2500 Watts

## REGULATORY AND EMISSIONS

Meets safety and emission requirements CB, CE, ULcUL, UL AR+S, GS, GOST, NOM, AUS NZ, FCCA statement, Canadian statement, MIC mark, FCCI Demko

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