# 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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MC-585.005