



# iBOD™-F Tiered Drive Enclosure



## **iBOD-F 4U 48 Drive High Density Enclosure**

### Key Features

- 4U 48 Drive High Density Enclosure
  - Universal Backplane supports SAS/ SATA
  - Front Accessible Hot Swap Drive Carriers
  - Dual 2 or 4Gb Fibre Channel Drives
  - Dual 4Gb FATA Drives
  - Mix Enterprise and Nearline Drives in a Single Intelligent Enclosure
- 32 Gb Host Bandwidth Across Dual Internal Switch Modules
  - 4x 4Gb FC Ports per Switch Module
- Cool By Design™
  - 90% Efficient Single Rail PSU
  - Conversion at Point of Load Power
  - Software Controlled Regulation of Variable Speed Fans
  - Low Heat Dissipation/ BTU Rating
- Compatible with leading Fibre Channel, iSCSI and SAS Head Ends, RAID Controllers and Storage Servers
- Cableless Design for maximum Rigidity & Reliability
- Hot Swap Integrated Power Supplies and Fans
  - N+1 Single Rail High Efficiency PSU
  - Low Noise Auto-regulating Fans
  - Integrated I2C monitor of Voltage, Current, Temperature, Fan Speed and AC-Fail
  - I2C Monitor is independent of AC Supply
- Compact 24" Depth
- High Quality
  - ISO 9000 Design and Manufacture
  - ROHS compliant
- Ethernet & Serial Management Ports
- Tri-Color LED Indicators

The MPSTOR iBOD-F48 is the first in a new family of high-density intelligent tiered storage enclosures designed for OEM and integrators developing enterprise storage solutions. The iBOD-F48 provides a high-density 48-drive enclosure in 4u form factor and at per disk price points substantially better than standard single density enclosures. The iBOD-F48 supports Dual Channel Fibre Channel and FATA drive tiers. The dual density two-drive carrier provides front access hot swap insertion and removal of the disk drives and allows a compact high-density footprint. A range of drive carriers is available to support dual Fibre Channel or dual channel FATA drives. High efficiency single voltage power system and auto regulating variable speed fans provide quiet economical operation in a broad range of physical environments. Using cableless design and hot swap components throughout increases reliability and ease of service. Web or command line configuration, monitoring and management ease integration with controllers and subsystems.

The MPSTOR iBOD enclosure is designed specifically for OEMs looking to deploy demanding Network Storage applications including, Enterprise Data Center, Data Streaming & Video, Disk to Disk Back-up, Disaster Management, and ILM/ IIM .

## **People in Partnership have the Edge**

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# iBOD-F Enclosure Specifications



## Feature Description

### General

4U 48 Drive High Density	Y
Front Access Hot Swap Drives	Y
Dual Drive Brick Carriers	Y
Mix and Match FC & FATA	Y
Cableless Design	Y

### Performance

Maximum Throughput Per Channel	
Fibre Channel	2,4 Gb/sec
FATA	4 Gb/sec

### Maximum Aggregate Throughput

Fibre Channel	32 Gb/sec
FATA	32Gb/sec

### External Interfaces

Number of Hot Swap External Interface Controllers	2
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### Number of Host/External Ports

4 GB Fibre Channel	8x 4Gig/sec
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### External Interface Protocols

Fiber Chanel 2G/4G	Y
SES	Y

### Connectivity

Fiber SFP	Y
Copper	Y

### Internal Capacities Per Enclosure

#### Maximum number of Disk Drives

2 or 4 Gb Fibre Channel	48
FATA II	48
Mix Drive Types	Y

### Hot Swap & Redundancy

Disk Drives	Y
External Interface Controllers Including Ethernet Management Port	Y
Cooling	Y
Power	Y

## Feature Description

### Administration

Ethernet Port	Y
Web	Y
Tri-Color LED Indicators	Y
Serial Port	Y
Command Line	Y
Email Notification	Y
SNMP	Y
SES	Y
Phone Home/ Weblink Support	Y

### Alerts

Drive Failure	Y
Temperature	Y
PSU	Y
Cooling Fan	Y

### Electrical & Environmental

Power Supply 450W Single Rail	Y
Universal A/C Input	90-220VAC
Operating Environment	40F-120F Non-condensing
Non-operating Environment	40F-140F Non-condensing

### Enclosure Dimensions

19" EIA Rack Mount in /cm	19 / 483
4U Rack units in /cm	7.5 / 19
Depth in/cm	24 / 61
Weight excl. Drives lbs /kg	77 / 35

### Regulatory

Emmissions	FCC B/ CE
Safety	UL/ CE
RoHS	Y
ISO 9000 2000	Y

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