

# Xtreme Density Gen II 1RU 144F/192F Fiber Enclosures

**molex**

**The Molex Xtreme Density Fiber Enclosures are ideal for high density applications.**

The Molex High Density Fiber Enclosures are designed for high density applications such as Data Centers, Central Offices or any other situation where high performing, high density and quick installation is required. The enclosures are available in two models, the 144 Fiber Enclosure and the class leading 192 Fiber Enclosure.

This innovative, robust, easy assemble and maintenance 1RU fiber enclosure has been designed for a MTP/MPO LC interface. This excellent space saving solution is ideal for network consolidation as its modular, scalable design provides flexibility for network partitioning and future growth. The rack mounted enclosure has been manufactured using durable powder/liquid coated steel construction ensures years of reliable service. The 19-inch chassis fits industry-standard EIA, ETSI and WECCO rack mountable. The 1RU height conserves valuable rack space maximizing "real estate". Quick Release pins on the enclosure front allows easy access as well as patch cord protection. Molex recommends our Bend Insensitive Uniboot Long Reach patch cords for ensuring correct fiber bend radius, lower cable weight and better cable management. These leads feature a long reach tab that allows for easy moves, adds and changes.

## Features and Advantages

192 LC Ports, 8 cassettes and supply 1 MTP/MPO and 24 LC Ports breakout in each cassette

144 LC Ports, 12 cassettes and supply 1 MTP/MPO and 12 LC Ports breakout in each cassette

Designed for 10G/40G/100G system migration

Applied quad LC adapter or MTP/MPO adapter on adapter panel or cassette

Combined with bend insensitive uniboot patch cords for maximum density and reliability

Special guide PIN design made cassette easily plug and draw out

Removable top cover providing easy access to the interior



1RU 192F Xtreme Density Fiber Enclosure



24 Port LC Cassette



1RU 144F Xtreme Density Fiber Enclosure

## Specifications

### MECHANICAL

IP Rating: IP20

Adapter Type: LC/MPO/MTP

LC Port Capacity:

192: 192 ports

144: 144 ports

Cassette Capacity:

192: 8 cassettes

144: 12 cassettes

Operating Temperature: -40 to +75°C

### PHYSICAL

Material: Steel

Coating: Powder/Fluid Coating

Thickness: 1.6 mm

Color: Black (RAL 9004/RAL 9005)

Dimensions: 430mm x 282mm x 44.5mm

Net Weight: 4kg (4.5kg packaged)

Packaged Box: 437mm x 310mm x 243mm

### ENVIRONMENTAL STANDARDS

RoHS compliant

REACH/SvHC compliant

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## Ordering Information

Order No.	SAP No.	Description
XFR-10144	Consult Molex	HD 1 RU Enclosure 12x12F Cassette Capacity MPO/LC 144F
XFR-10192	Consult Molex	Xtreme Density 1 RU Enclosure 8x24F Cassette Capacity MPO/LC 192 F
XFR-14401	Consult Molex	HD 12F Cassette Capacity MPO/LC OS2 Low Loss
XFR-14402	Consult Molex	HD 12F Cassette Capacity MPO/LC OM3 Low Loss
XFR-14403	Consult Molex	HD 12F Cassette Capacity MPO/LC OM4 Low Loss
XFR-19201	Consult Molex	Xtreme Density 24F Cassette Capacity MPO/LC OS2 Low Loss
XFR-19202	Consult Molex	Xtreme Density 24F Cassette Capacity MPO/LC OM3 Low Loss
XFR-19203	Consult Molex	Xtreme Density 24F Cassette Capacity MPO/LC OM4 Low Loss
XCD-20001	Consult Molex	LC-LC OS1/2 LSOH 1M Long Reach Optical Fiber Patch Cord
XCD-20001.5	Consult Molex	LC-LC OS1/2 LSOH 1.5M Long Reach Optical Fiber Patch Cord
XCD-20002	Consult Molex	LC-LC OS1/2 LSOH 2M Long Reach Optical Fiber Patch Cord
XCD-20003	Consult Molex	LC-LC OS1/2 LSOH 3M Long Reach Optical Fiber Patch Cord
XCD-20005	Consult Molex	LC-LC OS1/2 LSOH 5M Long Reach Optical Fiber Patch Cord
XCD-20010	Consult Molex	LC-LC OS1/2 LSOH 10M Long Reach Optical Fiber Patch Cord
XCD-30001	Consult Molex	LC-LC OM3 LSOH 1M Long Reach Optical Fiber Patch Cord
XCD-30001.5	Consult Molex	LC-LC OM3 LSOH 1.5M Long Reach Optical Fiber Patch Cord
XCD-30002	Consult Molex	LC-LC OM3 LSOH 2M Long Reach Optical Fiber Patch Cord
XCD-30003	Consult Molex	LC-LC OM3 LSOH 3M Long Reach Optical Fiber Patch Cord
XCD-30005	Consult Molex	LC-LC OM3 LSOH 5M Long Reach Optical Fiber Patch Cord
XCD-30010	Consult Molex	LC-LC OM3 LSOH 10M Long Reach Optical Fiber Patch Cord
XCD-40001	Consult Molex	LC-LC OM4 LSOH 1M Long Reach Optical Fiber Patch Cord
XCD-40001.5	Consult Molex	LC-LC OM4 LSOH 1.5M Long Reach Optical Fiber Patch Cord
XCD-40002	Consult Molex	LC-LC OM4 LSOH 2M Long Reach Optical Fiber Patch Cord
XCD-40003	Consult Molex	LC-LC OM4 LSOH 3M Long Reach Optical Fiber Patch Cord
XCD-40005	Consult Molex	LC-LC OM4 LSOH 5M Long Reach Optical Fiber Patch Cord
XCD-40010	Consult Molex	LC-LC OM4 LSOH 10M Long Reach Optical Fiber Patch Cord

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