

# OptoConnect Rack-Mount LGX Fiber Enclosures and Cassettes



Molex Rack-Mount LGX Fiber Enclosures and Cassettes are designed to meet high-density fiber and cable management needs for data center, storage area network (SAN), local area network (LAN) and central office/headend applications

## Features and Advantages

### Rack-mounted enclosure has a powder coated steel construction

Offers durability and protection to ensure reliable performance

### 19-inch rack-mount chassis

Compliant with Electronic Industries Alliance (EIA), Electronic Components Association (ECA), European Telecommunications Standards Institute (ETSI)

### Front door includes full-swell latch

Opens quickly and easily to access and install cassettes, adapter panels and patch cords



2 RU LGX Fiber Enclosure



4 RU LGX Fiber Enclosure



3 RU LGX Fiber Enclosure

### 1 RU dimensions (Width x Height x Depth):

430mm x 44mm x 275mm

2 RU dimensions:

430mm x 86mm x 312mm

3 RU dimensions:

430mm x 133mm x 312mm

4 RU dimensions:

430mm x 178mm x 312mm

Offers compact size to mitigate space constraints

1 RU supports 72 fibers

2 RU supports 144 fibers

3 RU supports 288 fibers

4 RU supports 288 fibers

Provides industry-leading density

1 RU LGX Fiber Enclosure



### 12 and 24 Fiber cassettes in SC or LC interfaces

Delivers super high-density fiber with up to 12 cassettes in 288 fiber enclosures



### Flexibility to hold cassettes, adapter panels or a combination of both

Supports maximum 12-fiber SC and 24-port LC adapter panel for fiber splice or cable distribution

## Premium Patch Cord Options

### Options for Front of the Enclosure:

### Option for Rear of the Enclosure:



Unitboot LC Connector



Adjustable Bending Boot Iron Wire Can Adjust the Angle



MPO Push-Pull Tab

# OptoConnect Rack-Mount LGX Fiber Enclosures and Cassettes



## Markets and Applications

### Data Centers and

#### Telecommunications/Networking

Local area networks (LANs)	Routers
Wide area networks (WANs)	Servers
Storage area networks (SANs)	Cloud computing
Cable distribution/management	Cable television construction
10-, 40- and 100-Gbps system migration	FTTX construction
Switches	Video transmission systems

## Specifications

### REFERENCE INFORMATION

Packaging: Carton  
 Interface: LC/MPO/MTP  
 Fiber Port Capacity: 72 to 288 LCs  
 Cassette Installation: 3 to 12 pieces  
 Compatible: Standard LC or MPO/MTP

### PHYSICAL

Housing: Metal/Plastic Box  
 Fiber Type: SM/OM3/OM4  
 LC Adapter Color: Blue/Aqua  
 MPO/MTP Adapter Color: Black

### ENVIRONMENT

Operating Temperature: -40 to +75 °C  
 RoHs 6 Compliance

### MECHANICAL

Dimension (Width x Depth x Height):  
 1RU — 430mm x 44mm x 275mm  
 2RU — 430mm x 86mm x 312mm  
 3RU — 430mm x 133mm x 312mm  
 4RU — 430mm x 178mm x 312mm  
 Material: SPCC  
 Finish: Liquid Coating  
 Enclosure Color: Specific or Black  
 Cassette Color: Metallic/Black

## Ordering Information

Series No.	Product Description
106480-0100	1RU Rack Mount for 3* LGX Cassette / LC panel / SC / MPO panel
106480-0101	2RU Rack Mount for 6* LGX Cassette / LC panel / SC / MPO panel
106480-0102	3RU Rack Mount for 12* LGX Cassette / LC panel / SC / MPO panel
106480-0103	4RU Rack Mount for 12* LGX Cassette / LC panel / SC / MPO panel
106481-XXXX*	Plastic MTP/MPO-LC LGX cassette
106481-0102	OM3, 12F MTP (Male, Standard) to 12*LC Fanout Cassette
106481-0113	OM3, 24F MTP (Male, Standard) to 24*LC Fanout Cassette
106481-0138	6pcs Quad Aqua Color LC Adapter Panel
106481-0133	6pcs Duplex Black Color MPO/MTP Adapter Panel
106481-013X*	LC Panel / SC / MPO adapter panel

\*Additional attributes available

[www.molex.com/link/fiberenclosures.html](http://www.molex.com/link/fiberenclosures.html)

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners.