

## MTP® MPO Module & High-Density Rack-Mount System

### MTP MPO Module

Montclair's high-density MTP® MPO modules provide a space-saving solution for modular applications with demanding cabling requirements. These modules address the increasing connectivity needs of high-capacity enterprise data center networks.

The MTP® MPO module and rack panel provide a complete end-to-end high-performance cabling solution. This includes a high-density LC port housing and a simple, easy-to-install design.

The MTP® MPO rack-mount modular system is available in configurations of up to 4 - 36 LC adapter ports per 1RU (144 LC ports), 2RU (288 LC ports), and 4RU (566 LC ports). It is constructed with durable, lightweight 16-gauge steel in a black powder coat finish.

### Features

- High-density modular design
- Quality, high-performance components
- Up to 36 LC & 24 SC adapter ports
- Factory-terminated and 100% certified and tested

### Applications

- Data Centers
- High-Density Environments



MTP® MPO to LC OS2  
36 Fiber (3x12) Module (pictured)

### Rack-Mount Panel

Montclair offers a complete line of high-quality, rack-mount fiber panels designed for data centers. These rack-mount panels are available in a variety of cost-effective options to provide the most suitable network solution.

The panels feature standard design elements that facilitate easy fiber cable management and installation access for the user. The one-piece, versatile panels come in multiple sizes (1U, 2U, 4U) to accommodate a range of backbone, data center, and enterprise applications.



1U 4 Slot Enclosure Panel (pictured)  
Accommodates up to 144 Fiber Ports

# MTP® MPO Module & High-Density Rack-Mount System



12 Fiber (1x12) Module



24 Fiber (2x12) Module



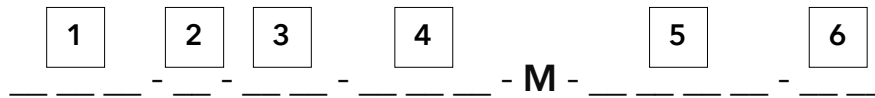
36 Fiber (3x12) Module

## Specifications

Connector type	Insertion Loss IL (dB)	Return Loss RL (dB)
Front of LGX:		
LC/UPC	≤ 0.2	≥ 30
SC/UPC	≤ 0.2	≥ 30
Back of LGX:		
MTP®/ MPO	≤ 0.35	≥ 20
Housing size MTP/ MPO	Dimensions	
LGX 1 slot wide module (mm)	129h x 125l x 28w	
LGX small-form 1 slot wide module (mm)	129h x 70l x 28w	

# MTP® MPO Module & High-Density Rack-Mount System

## Ordering information



### 1. MTP or MPO:

<b>MTP</b>	MTP
<b>MPO</b>	MPO

### 2. Fiber Mode:

<b>3</b>	OM3 Multimode 10G 50um
<b>4</b>	OM4 Multimode 100G 50um
<b>M</b>	Multimode 62.5um
<b>S</b>	Singlemode

### 3. Fiber Count | Ports:

<b>12</b>	12 fiber (1x12)
<b>24</b>	24 fiber (2x12)
<b>36</b>	36 fiber (3x12)

### 4. Front Module Connector | Adapter Type:

<b>ALC</b>	LC/APC
<b>LCU</b>	LC/UPC
<b>ASC</b>	SC/APC
<b>SCU</b>	SC/UPC

### 5. Rear Module MTP MPO Adapter Connector Type:

<b>12AM</b>	12 fiber MTP/MPO Angled (APC) Male (w/pins)
<b>12AF</b>	12 fiber MTP/MPO Angled (APC) Female (no pins)
<b>12UM</b>	12 fiber MTP/MPO Ultra (UPC) Male (w/pins)
<b>12UF</b>	12 fiber MTP/MPO Ultra (UPC) Female (no pins)
<b>24AM</b>	24 fiber (2x12) MTP/MPO Angled (APC) Male (w/pins)
<b>24AF</b>	24 fiber (2x12) MTP/MPO Angled (APC) Female (no pins)
<b>24UM</b>	24 fiber (2x12) MTP/MPO Ultra (UPC) Male (w/pins)
<b>24UF</b>	24 fiber (2x12) MTP/MPO Ultra (UPC) Female (no pins)
<b>36AM</b>	36 fiber (3x12) MTP/MPO Angled (APC) Male (w/pins)
<b>36AF</b>	36 fiber (3x12) MTP/MPO Angled (APC) Female (no pins)
<b>36UM</b>	36 fiber (3x12) MTP/MPO Ultra (UPC) Male (w/pins)
<b>36UF</b>	36 fiber (3x12) MTP/MPO Ultra (UPC) Female (no pins)

**Note:** 24 fiber MTP/MPO uses 2x 12 fiber MTP/MPO adapters  
36 fiber MTP/MPO uses 3x 12 fiber MTP/MPO adapters

### 6. Polarity:

<b>A</b>	A
<b>AF</b>	A Flipped