

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.



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

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

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:

MTP MTP
MPO MPO

2. Fiber Mode:

3 OM3 Multimode 10G 50um
4 OM4 Multimode 100G 50um
M Multimode 62.5um
S Singlemode

3. Fiber Count | Ports:

12 12 fiber (1x12)
24 24 fiber (2x12)
36 36 fiber (3x12)

4. Front Module Connector | Adapter Type:

ALC LC/APC
LCU LC/UPC
ASC SC/APC
SCU SC/UPC

5. Rear Module MTP MPO Adapter Connector Type:

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

A A
AF A Flipped