

# MTP&MPO Fiber Patch Cable 1U

## Description

Hiphotonics's The MPO/MTP® Angled Patch Panels provide secure transitions between MPO/MTP® and LC discrete connector interfaces. They are used to interface MPO/MTP® backbones with LC patching and active equipment connections.

The pre-populated panel allows rapid deployment of high density data center infrastructure as well as improved trouble shooting and reconfiguration during moves, adds and changes. The shallow depth of the Angled Panel makes it suitable for copper racking systems.

The MPO/MTP® Angled Panels contain factory controlled and tested MPO/MTP®-LC fanouts to deliver optical performance and reliability. Low loss MPO/MTP® Elite® and LC Premium versions are offered featuring significantly improved low insertion losses for demanding low power budget, high speed networks.



## Features

- 19" rack mount, Color black.
- Reliability - 100% Tested. Factory terminated and tested.
- Front cable management function: Cable can be routed to the front of the cable management bar, either from the left or the right side.
- Rear cable management function: Cable can be routed to the rear of the cable management bar, from both sides.
- 1U patch panel capacity comes up to 144F fully loaded, up to 12 MPO/MTP® standard connectors.



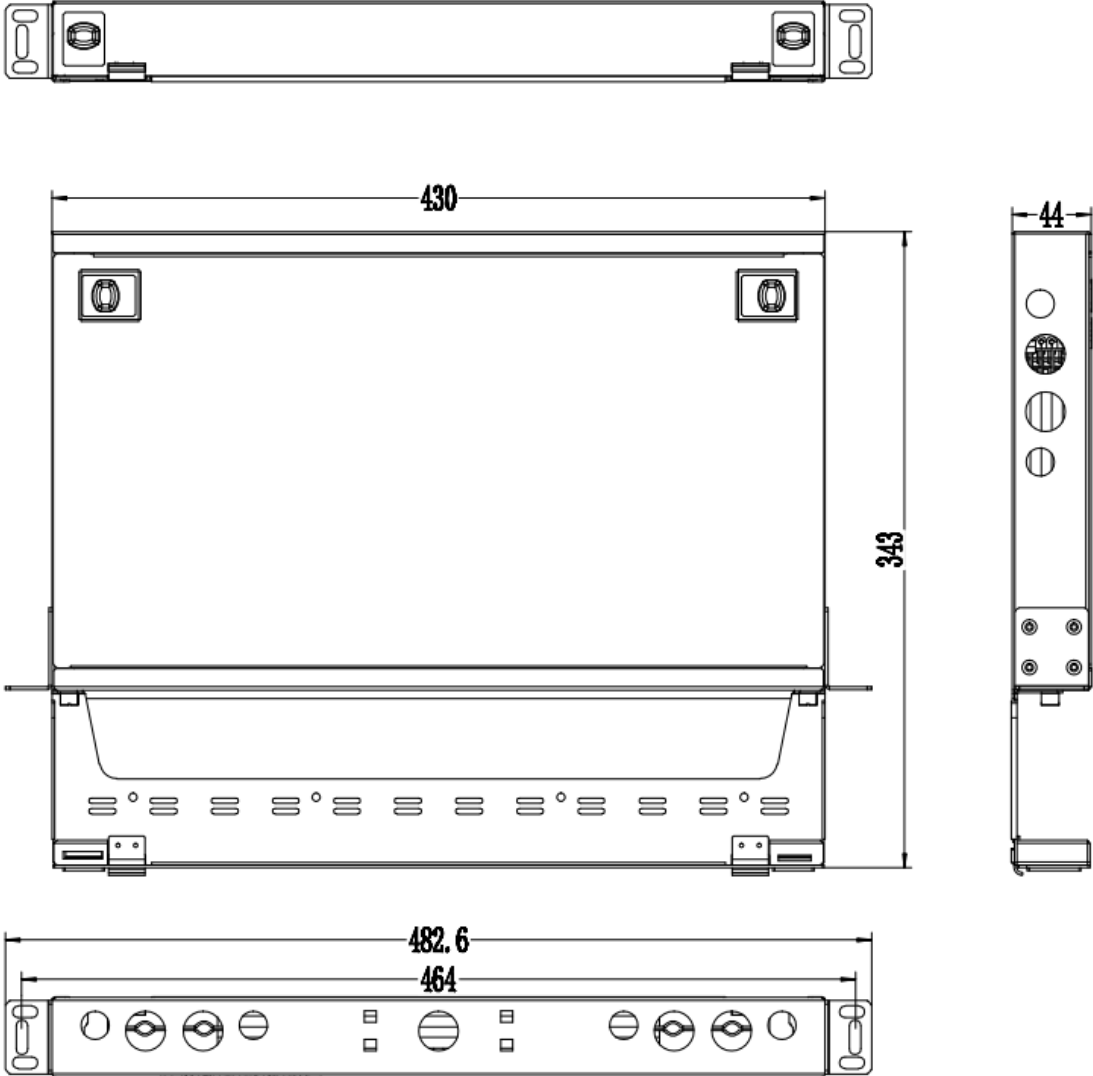
## Application

- Data communication applications
- Data Centre infrastructure
- Storage Area Network - Fiber Channel
- Emerging 40 and 100Gbps Protocols compatible

## Specification

| ITEM                   | CHARACTERISTICS                          |
|------------------------|------------------------------------------|
| Operation Temperature  | -10° C~+60° C                            |
| Storage Temperature    | -20° C~+60° C                            |
| Relative Humidity      | ≤85% (+30 ° C)                           |
| Air Pressure           | 70kPa~106kPa                             |
| Dimensions (W x D x H) | 483mm × 343mm × 1U<br>483mm × 429mm × 1U |

The panel enclosure is pre-assembled. In order to disassemble and re-assemble the panel, please refer to the diagram below.



| Type       | Wavelength    | I.L. Typ. | I.L. Max | R.L.Min |
|------------|---------------|-----------|----------|---------|
| MTP-LC(MM) | 850nm/1300nm  | 0.25dB    | 0.35dB   | 30dB    |
| MTP-LC(SM) | 1310nm/1550nm | 0.25dB    | 0.35dB   | 50dB    |
| MPO-LC(MM) | 850nm/1300nm  | /         | 0.60dB   | 20dB    |
| MPO-LC(SM) | 1310nm/1550nm | /         | 0.75dB   | 50dB    |

## Ordering Information

|                                                             |                                                                           |   |    |   |   |   |      |   |      |        |   |        |   |     |   |    |   |
|-------------------------------------------------------------|---------------------------------------------------------------------------|---|----|---|---|---|------|---|------|--------|---|--------|---|-----|---|----|---|
| Product Description:                                        | MPU                                                                       | - | SP | - | B | - | 9005 | - | 4×24 | MTP/PC | - | LC/UPC | - | OM4 | - | 1U |   |
|                                                             | 1                                                                         |   | 2  |   | 3 |   | 4    |   | 5    |        | 6 |        | 7 |     | 8 |    | 9 |
| 1 - Model                                                   | MP4                                                                       |   |    |   |   |   |      |   |      |        |   |        |   |     |   |    |   |
| 2 - Body Materials                                          | SP: SPCC (cold rolled steel sheet)                                        |   |    |   |   |   |      |   |      |        |   |        |   |     |   |    |   |
| 3 - Painting Finish                                         | B: powder coat matt finish                                                |   |    |   |   |   |      |   |      |        |   |        |   |     |   |    |   |
| 4 - Painting Color                                          | 9005: RAL black                                                           |   |    |   |   |   |      |   |      |        |   |        |   |     |   |    |   |
| 5 - Patch cord Quantity                                     | 8×12: 8pcs of 12F; 12×12: 12pc of 12F; 4×24: 4pc of 24F; 6×24: 6pc of 24F |   |    |   |   |   |      |   |      |        |   |        |   |     |   |    |   |
| 6 - Connector A                                             | MPO/PC; MPO/APC; MTP/PC; MTP/APC                                          |   |    |   |   |   |      |   |      |        |   |        |   |     |   |    |   |
| 7 - Connector B                                             | LC/UPC; LC/APC                                                            |   |    |   |   |   |      |   |      |        |   |        |   |     |   |    |   |
| 8 - Fiber Mode                                              | G657A1; OM1; OM2; OM3; OM4 ; OM5                                          |   |    |   |   |   |      |   |      |        |   |        |   |     |   |    |   |
| 9- Panel Height                                             | 1U                                                                        |   |    |   |   |   |      |   |      |        |   |        |   |     |   |    |   |
| Note: 1. MPU-1U fully loaded with 144Fibers.                |                                                                           |   |    |   |   |   |      |   |      |        |   |        |   |     |   |    |   |
| 2.Empty frame w/o Adapters Description: MPU-SP-B-9005-EM-1U |                                                                           |   |    |   |   |   |      |   |      |        |   |        |   |     |   |    |   |

## Accessories

|   |                         |        |
|---|-------------------------|--------|
| 1 | User guide              | 1PC    |
| 2 | Nylon cable ties        | 4PCS   |
| 3 | M6 Rack screws and nuts | 4PCS   |
| 4 | Label                   | 1PC    |
| 5 | Magic sticks            | 1Meter |