

# MTP TAP MODULE

A PERFECT BLEND OF PERFORMANCE AND FLEXIBILITY

The MTP TAP module is designed for high-speed fiber optic network monitoring, supporting applications up to 1.6 Tbps with minimal signal impact. It is fully passive and uses low insertion loss US Conec MTP Elite® connectors to ensure reliable performance and optimal signal integrity. Its plug-and-play design allows for quick deployment and seamless integration into existing monitoring setups.

As part of the broader MOD-TAP ecosystem, it offers the flexibility to mix and match different TAP modules to meet evolving network requirements. These modules are housed within the MOD-TAP modular chassis, which provides a scalable, high-density platform supporting up to 16 MTP TAP modules in a single 1U unit.

## PRODUCT SPECIFICATIONS

| CONNECTOR TYPE   | SUPPORTED STANDARDS   | ORDER REFERENCE |
|------------------|---|-----------------|
| MTP/MPO-12 (APC) | SM 40GBASE-PLR4 / PSM4<br>SM 100GBASE-PLR4<br>SM 100GBASE-PLR4L<br>SM 100GBASE-PSM4<br>SM 200GBASE-DR4<br>SM 400GBASE-DR4<br>SM 400GBASE-XDR4<br>SM 400GBASE-PLR4<br>SM 800GBASE-DR4 (2 x DR4/DR8 OSFP) *<br>SM 1.6TBASE-DR8 (2 x DR4/DR8 OSFP) * | F1M-MOD-SM12-** |
| MTP/MPO-12 (UPC) | MM 40GBASE-SR4<br>MM 100GBASE-SR4<br>MM 200GBASE-SR4  | F1M-MOD-MM12-** |
| MTP/MPO-16 (APC) | MM 400GBASE-SR8<br>MM 800GBASE-SR8<br>MM 800GBASE-VR8   | F1M-MOD-MM16-** |

All standards listed are MSA-compliant.

\* 800G / 1.6T applications require 2 TAP modules due to parallel lane architecture.

\*\* Split ratio reference suffix: 50 for 50/50, 60 for 60/40, 70 for 70/30.

## MAXIMUM INSERTION LOSS (dB)

| FIBER TYPE  | 50 / 50   | 60 / 40   | 70 / 30   |
|-------------|-----------|-----------|-----------|
| Single-Mode | 3.8 / 3.8 | 2.7 / 4.7 | 2.4 / 6.1 |
| Multi-Mode  | 4.2 / 4.2 | 3.0 / 5.0 | 2.4 / 6.3 |

Note: These values don't include external connector loss.



## FEATURES

- Non-intrusive in-line monitoring
- Permanent network link guaranteed
- Monitoring of all OSI layers
- No packet loss, no point of failure
- Passive, unpowered
- High density and modular

## PRODUCT DIMENSIONS

|                 | DIMENSIONS (WxDxH) | WEIGHT  |
|-----------------|--------------------|---------|
| MODULAR CHASSIS | 440 x 202 x 44 mm  | 2140 g  |
|                 | 17.3 x 8 x 1.7 in  | 4.7 lb  |
| MTP MODULE      | 25 x 217 x 41 mm   | 100 g   |
|                 | 1 x 8.5 x 1.6 in   | 0.22 lb |

| CHASSIS                                      | ORDER REFERENCE |
|--|-----------------|
| 1U Modular Chassis<br>(up to 16 MTP modules) | <b>AMC-1U</b>   |

