

Brochure

VIAMI

Characterizing and Troubleshooting MPO Cables with an OTDR

An integrated solution to test an entire 12-fiber MPO cable at the push of a button

The VIAMI MPO optical switch module for the T-BERD/MTS-4000 V2 platform delivers a fully integrated and automated OTDR test solution for ribbon fiber and MPO cables characterization, certification and troubleshooting

Characterize individual fibers within MPO cables. Easily pinpoint exact locations and characterize each event throughout a complete fiber link.

Certify new MPO installations to industry standards. Eliminate time consuming task of testing each individual fiber and the complexities of using fan-out/break-out cables.

Troubleshoot physical network issues at the press of a button. Speed MPO fiber fault location with precise localization of issues like severe bends, high-loss splices and dirty or poor connections.



Benefits

- All-in-one, integrated solution for MPO cable characterization, certification and troubleshooting
- Simplifies and streamlines MPO cable testing with a single technician
- Reduce testing time by 50% compared to legacy test processes and equipment
- Automated test workflow, and reporting with pass/fail diagnostic
- Compatible with CERTiFi, a cloud-based & mobile app solution to deploy tasks to all VIAMI MPO test instruments & manage test results

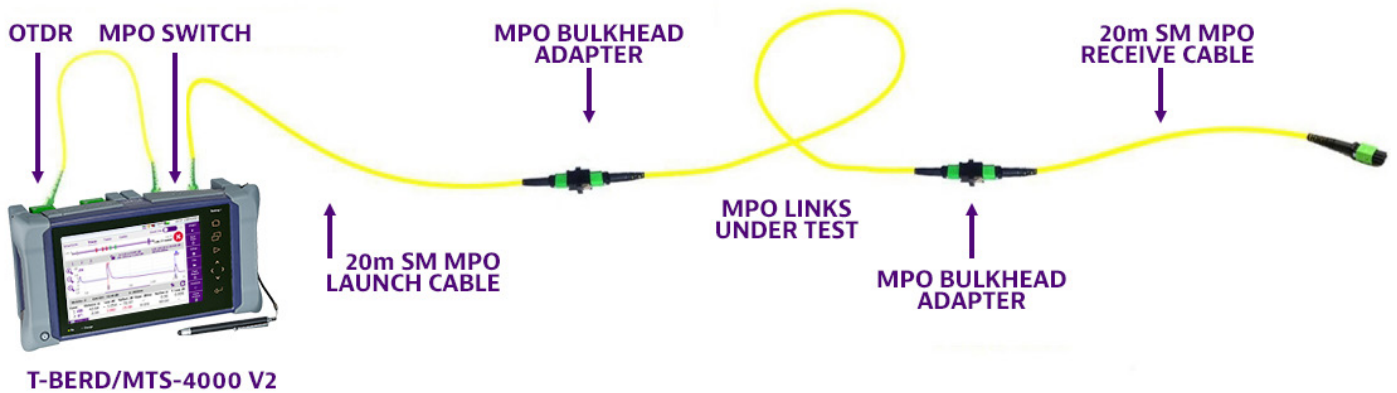
Applications

- Qualification and Tier 2 certification to TIA/IEC standards of MPO structured cabling in Enterprise & DataCenters
- Troubleshooting of DataCenter physical layer
- Validation of MPO links in migration to 40G and 100G
- Characterization of connectorized MPO feeder or trunk cables in FTTH or wireless/C-RAN networks

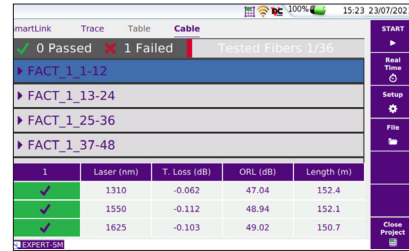
VIAYI MPO Switch module is part of a comprehensive MPO solution set that covers MPO fiber end face inspection, tier 1 tests (length, optic loss, continuity/polarity) and tier 2 tests (OTDR characterization). Features include:



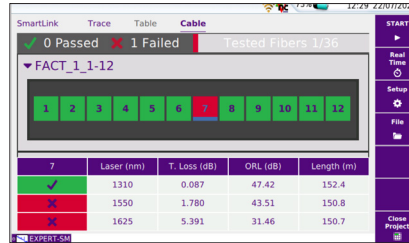
- An onboard MPO Switch to eliminate the complexity associated with a fan-out/break-out cable or an external switch



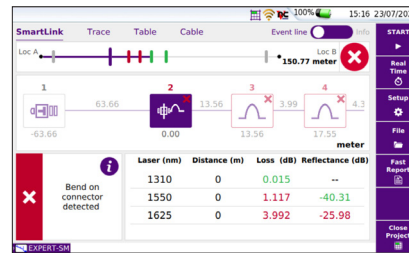
- An intuitive interface that provides an overview of a full project with pass/fail status of each 12-fiber MPO connector tested



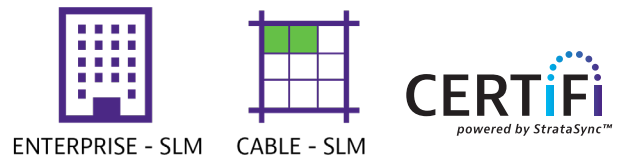
- A “Test All Fibers” function that initiates a fully automated test sequence and delivers a visual verdict of each individual fiber of a 12-fiber MPO connector



- Possibility to troubleshoot a specific fiber out of a 12-fiber MPO connector and get a precise diagnostic of the fault



- The VIAVI MPO switch module is ENTERPRISE-SLM, CABLE-SLM and CERTiFi-Ready



Part Number	Description
E41MPO12SM	SM 1x 12 MPO optical switch module for T-BERD/MTS-4000 V2 Platform
MPO12MODKIT-SM	MPO switch module kit for T-BERD/MTS-4000 V2 Includes: (1x) SM 1x 12 MPO optical switch module (2x) 20m MPO cables, (2x) MPO bulkhead adapters

For more information on the T-BERD/MTS-4000 V2 platform, individual modules, or software applications, please refer to their respective data sheets



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