Brochure

# OneAdvisor 800 800G Transport Module

## Field-Optimized Network Test Tool Up to 800G

The OneAdvisor 800 delivers all the test capabilities technicians and engineers need to install and maintain high-capacity networks up to 800G. Its portability and modularity make OneAdvisor 800 perfectly suited for metro/core, data center interconnect, and business services testing. The OneAdvisor 800 800G Transport Module supports testing up to 800GE and features the same user interface as all in the T-BERD/MTS Family.

The OneAdvisor 800 enables Communications Service Providers, Datacenter Operators, and Contractors to meet the emerging needs of 800G deployment. It is ideal for Core Optical Transport, Datacenter Interconnect and Inside Datacenter applications. The OneAdvisor 800 is the all in one tool to validate key performance indicators on 800G transport interfaces, test 800G optics modules and AOC/DAC/AEC cables, and perform maintenance on legacy interfaces.

## Key Benefits

- **Optical Form Factor Flexibility.** Test all modern optical form factors with dual QSFP-DD800, OSFP800, and SFP-DD interfaces
- **Qualify Transport Networks.** Advanced support for Coherent Pluggable Optics (ZR/ZR+) up to 800G combined with Optical Spectrum Analysis
- **Troubleshoot In the Datacenter.** Quickly identify problems with Optics and AOC/DAC/AEC/ACC Cables up to 800G
- **All In One Support.** Test 800G down to 10M and troubleshoot fiber optics with one device
- **Easy to Learn.** The industry's most widely used graphical user interface — learn to 800G testing in minutes
- **Superior Battery Life.** Scalable to multiple batteries for extended testing

## Features

- **Extensive Line Rate Support.** Test Ethernet (800GE down to 10/100/1000), OTN, Fiber Channel, and Unframed BERT with a single module
- **Consistent Results.** Scripted workflows that drive test consistency across users; QuickCheck, RFC 2544, OTN Check, Optics Self-Test, AOC/DAC/AEC Cable Test
- **Modular Flexibility.** Pairs with many VIAVI test modules including OTDRs, WDM Checker/OSA modules, which enable the testing of wired networks and network timing and synchronization

## Field Ready 800G Platform

- 8" high visibility touch screen
- Rugged design is ideal for field use
- Extended battery operation
- Integrated WiFi and Bluetooth (optional)
- Remote Coaching with SmartAccess Anywhere

***Take 800G to the field with confidence***

## Advanced 800G Capabilities

- 800GE and 2x400GE Test interfaces
- Dual OSFP and QSFP-DD Optics Slots
- Support Coherent Pluggable Optics (ZR/ZR+)
- Optics Self Test and Cable Test
- 400G down to 10M Support

***Test All the Latest Datacenter and Transport Interfaces***

## Complimentary Fiber Optic Testing

- Essential Fiber: Power Meter and Visual Fault Location
- Fiber Troubleshooting: OTDR
- Optical Characterization: OSA
- Fiber Characterization: Optical Dispersion

***Do it all with one tool***

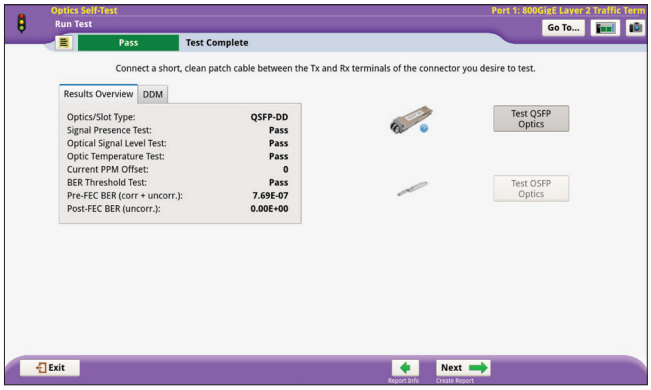
## Test Process Automation

- VIAVI Mobile Tech: Simplify connectivity with your mobile device
- StrataSync™: Manage assets, reports, configurations, and step by step processes

***Streamline testing across your team***

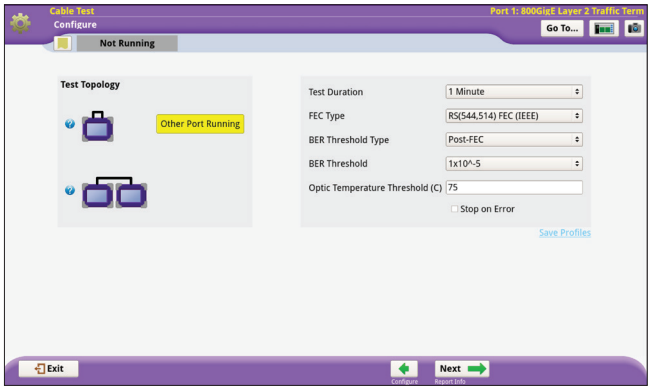
## Troubleshooting with Optics Self-Test

Optics Self-Test is a workflow tool to identify and troubleshoot performance issues related to pluggable optics. It is especially well-suited to field environments where pluggable optics issues are difficult to isolate. It is available on QSFPx, OSFPx, and SFPx. This tool features a recommended test duration calculation based on a target BER. The tool, included with each line rate, monitors information such as optical power and provides a temperature threshold setting.




## Testing with Cable Test

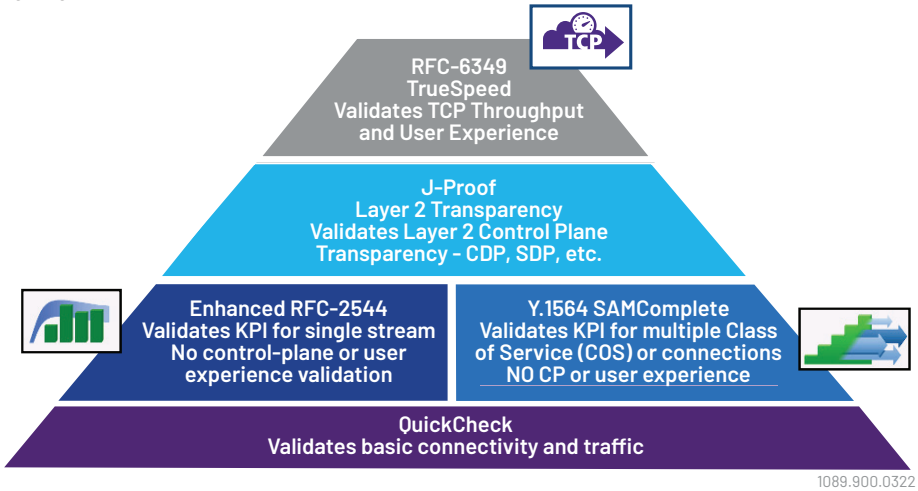
Cable Test is a workflow tool to troubleshoot sample test AOC/DAC/AEC cables. It applies to optical and copper cables including straight and breakout versions. Dual OSFP and QSFP interfaces make it easy to test cables with any combination of interfaces. Cable Test verifies multiple parameters in testing cables, the key parameter to help determine the pass/fail criteria is Bit Error Rate (BER); for Ethernet rates using FEC such as 800GE, both pre-FEC and post-FEC results are available.




## Time-Saving Ethernet Service Activation

Test more quickly and efficiently using automated tests on OneAdvisor.

- **QuickCheck** — a fast, automated test that validates end-to-end configurations; runs as a pre-check test before RFC 2544 or Y.1564 or as a stand-alone test
- **Enhanced RFC 2544** — an automated turn-up test with built-in time efficiency
- **Y.1564 SAMComplete™** — An automated service verification test that speeds the verification of multiple classes of service (COS) or connections based on SLAs
- **RFC 6349 TrueSpeed™** — A standards based, repeatable test for verifying customer experience with layer 4 TCP traffic



## OTN Service Activation with OTN Check

The unique VIAVI OTN Check tool greatly simplifies the testing OTN services. This workflow tool automates the process of turning up a new OTN service by integrating key tests like OTN payload verification, round-trip delay, overhead transparency testing and encryption testing. OTN Check streamlines the test process and generates pass/fail results.

## Expansion Modules

These modules can perform several additional functions and connect onto the back of the unit.

Modules include:

- An optional expansion battery. Enables extended runtime on battery power
- A full family of OTDR modules, with Smart Link Mapper which provides an icon-based map view for clear diagnostics of detected issues
- The OSA-4100 Optical Spectrum Analyzer with full band support and tunable SFP control
- Channel Checkers which display the spectrum of an incoming signal
- Timing Expansion Module Version 2: Provides a stable Rubidium timing source when in holdover

## StrataSync — Empower Your Assets

StrataSync is a hosted, cloud-enabled solution for managing assets, configurations, and test data on VIAVI instruments. It ensures that all instrument software is current, improving instrument efficiency and technician effectiveness. StrataSync enables inventory management, test result consolidation, and performance data distribution with browser-based ease. StrataSync manages and tracks test instruments, collects and analyzes results from the entire network, and helps train and inform the workforce.

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