

Brochure

VIAVI

Test and Certification Solutions

For Enterprise & Data Center Contractors

Better with VIAVI

- Technology Leadership.
- Faster Technician Workflows.
- Best Value

VIAVI test and certification tools have been designed, developed, and tuned to deliver the performance your network demands. From installation and certification to upgrades and troubleshooting, VIAVI's comprehensive portfolio of test solutions addresses the needs of today's enterprise technician for both copper and fiber.

With technology leadership, faster technician workflows and the best overall value, it's easy to see why it's Better with VIAVI.

Cloud-Based Workflow Management

CERTiFi is a cloud-based solution for teams who design, build, test and certify the structured cabling in enterprise networks. Powered by the VIAVI Solutions Stratasync™ platform, CERTiFi empowers every team member with the information needed to complete tasks accurately and on time.



- Manage your projects with confidence at every stage
- Align your team and project requirements in one place
- Communicate job requirements clearly and in real-time
- Track project status and analyze results from anywhere
- Assign tasks directly to team members
- Deploy tasks directly to instruments with the CERTiFi mobile application

CERTiFi
powered by StrataSync™

Copper Certification

Copper cabling is dominant in the Enterprise and connects the vast majority of devices to the network. Technicians need to quickly and accurately certify networks but are finding that legacy tools are insufficient for modern Enterprise networks. VIAVI's copper test solutions equip technicians with all the capabilities they need to certify today's complex copper networks.

- Complete test visibility at both local and remote ends
- The industry's fastest CAT6A solution can certify each cable within 9 seconds, saving users 30 minutes each time they test 150 CAT6A cables¹
- Permanent link and channel adapters for certifying to TIA category 5e/6/6A and ISO class D/E/EA/F/FA
- Pre-configured with all leading cabling manufacturers' specifications
- Certifier40G is Category 8 ready with a 2500MHz test engine

Copper Certification	
 <p>Certifier10G</p> <p>Certifier10G is the best solution when testing up to Category 6A. Designed for lower levels of copper categories, it provides an entry-level, cost effective copper certifier with the same benefits as Certifier40G.</p>	 <p>Certifier40G</p> <p>Certifier40G is not only the most advanced solution available, it is also the fastest and most complete for copper or fiber certification.</p>

Essential Fiber Testing

Contaminated connectors are the #1 cause for troubleshooting in optical networks. While standards bodies have established acceptance criteria for the quality and cleanliness of fiber connector end faces, technicians still face challenges with implementing these practices. Without the right tools, maintaining these standards or specifications is difficult and time consuming.

VIAVI's essential fiber tools lead the industry in helping technicians deploy these best practices. Through technology innovation and extensive experience in fiber testing, our solutions equip technicians to ensure fiber network performance with workflow efficiency and that is unmatched by anyone.

Essential Fiber Testing			
 <p>FiberChek</p> <p>The FiberChek probe is an "all-in-one" handheld solution with built-in capabilities for image viewing, auto-focus, PASS/FAIL analysis, and storing/recalling results.</p>	 <p>PowerChek</p> <p>PowerChek is an innovative optical power meter that eliminates the test lead when measuring optical power, giving technicians a fast, compact and safe solution for optical power measurement.</p>	 <p>FiberChek Sidewinder</p> <p>The Sidewinder provides the same benefits as the FiberChek, but also adds fully automated inspection and analysis for every fiber of an MPO or other multifiber connectors.</p>	 <p>FiberChekMOBILE</p> <p>FiberChekMOBILE is an app technicians can use to inspect end-face quality, measure optical power, and certify fiber connectors to industry standards right on their mobile device.</p>

Fiber Certification

Deployment of fiber continues to grow in data centers and enterprise networks. Whether used for backbone cabling or to connect servers to switches, fiber supports higher data rates at greater distances than copper cabling. Testing and certification of installed fiber confirms the system—as installed—will support the applications that will ultimately be carried on the fiber. The certification reports from this testing can be used to obtain warranties from the supplier of the infrastructure.

VIavi's fiber certification solutions help technicians optimize their workflow while performing all the required tests for certification in half the time as legacy tools.

- Comprehensive fiber testing to TIA/ISO/IEC standards
- Fiber end-face inspection with automated pass/fail analysis integrated into all solutions
- Integrated saving of both local and remote results on the local device
- Encircled flux compliant
- Easily-generated fiber certification reports

Tier 1 Certification: Consists of fiber-optic insertion loss (IL), length, and polarity measurements.



SmartClass Fiber OLTS-85P

SmartClass Fiber OLTS-85P promotes best practices while cutting Tier 1 fiber testing and certification time in half. Have confidence in your network quality and optimize your workflow with a dedicated point solution for fiber testing.



Certifier40G

Certifier40G equips technicians with all the capabilities they need to certify both copper and Tier 1 fiber networks quickly, completely, and correctly for all current and future cabling standards for the enterprise.



SmartClass Fiber MPOLx

SmartClass Fiber MPOLx is the industry's first dedicated Tier 1 MPO certification solution that can perform all the test requirements for Basic/Tier 1 certification using MPO fiber connectivity.

Tier 2 Certification: Consists of performing an OTDR trace of each fiber link.



T-BERD/MTS-2000

The T-BERD/MTS-2000 provides the largest range of test capabilities offered in one handheld unit for Tier 2 fiber certification to install, turn up, and troubleshoot single-mode and multimode fiber networks. When used with the Smart Link Mapper (SLM) users get both an OTDR trace and a simplified graphical map view, making it much easier and faster to identify all the events in a trace. Supports external MPO switch.



T-BERD/MTS-4000 V2

The T-BERD/MTS-4000 V2 platform delivers a fully integrated and automated solution for Tier 2 fiber certification of ribbon fiber MPO cables in single-mode fiber networks. When used with the Enterprise Smart Link Mapper (SLM) users get the OTDR trace and a graphical link view which greatly simplifies trace event identification, plus a project view to track which cables/fibers have been tested with clear pass/fail indications for visualization of testing progress and reporting.

Bit Error Rate Testing

Once the physical infrastructure is verified, data center operators have applications where there is a need to test the transmission quality of circuits above the physical layer. A common example is testing the bit error rate on high-performance connections between data centers. VIAVI has a powerful line of handheld network testers well-suited for a data center environment for their simple test scripts, accuracy, and small size.

Copper Certification



T-BERD/MTS 5800 v2

Runs standards-based, automated BER tests (RFC 2544, Y1564, RFC 6349) on Ethernet, Fibre Channel, and OTN protocols. The T-BERD/MTS 5800 is also capable of testing AOC/DAC cables up to 10G.



T-BERD/MTS 5800-100G

To maintain the integrity of critical data center interconnections and to verify customer SLAs, a data center tech may need to perform tests on Ethernet line rates up to 100G, as well as OTN, CWDM, or DWDM circuits. The T-BERD/MTS 5800-100G is also capable of testing AOC/DAC cables up to 10G. .



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