

Brochure

VIAMI

T-BERD/MTS-6000A

Compact Network Test Platform

The VIAMI Solutions T-BERD/MTS-6000A v2 is the industry's most compact, lightweight test solution for modern and future high-speed transmission network deployments.

This installation and maintenance platform empowers field technicians with its uniquely combined physical, optical, and transport/Ethernet testing capabilities.

The T-BERD®/MTS-6000A gives users extensive test functionality over multiple network layers. The platform supports automated workflows for testing both Ethernet and IP connectivity, such as RFC 2544 and Y.1564, as well as verify TCP end-to-end performance with RFC 6349-based TrueSpeed™ testing.

T-BERD/MTS Family

The T-BERD/MTS-6000A is part of the T-BERD/MTS family of test platforms that focus on the entire service life cycle, from installation to troubleshooting and maintenance. For decades, the T-BERD/MTS product line has built a solid and trusted worldwide reputation based on cutting-edge design and performance.



Key Benefits

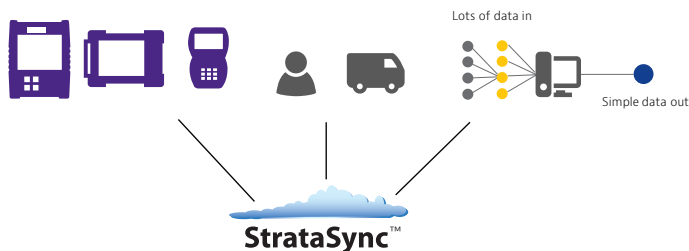
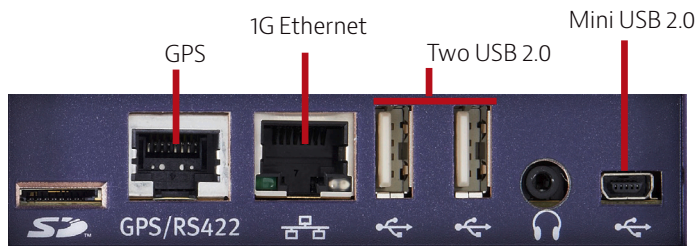
- Greater usability and smaller footprint optimizes your investment
 - Get unmatched flexibility with over 100 available test applications
 - Service providers and NEMs choose this modular solution for turning up 40 G networks, conducting 400 G system trials, and more
- Cloud-enabled benefits
 - Empower assets and data results with StrataSync™
 - Access the cloud via WiFi or 4G LTE
 - Tie GPS coordinates to the tests
- Investment protection
 - Compatible with more than 80 modules and future ready
 - Add optical options at any time

Applications

- Compact solution for installation, maintenance, and troubleshooting of optical networks
- Optical connector inspection and full fiber characterization with OTDR, IL, ORL, CD, PMD, and AP
- WDM/ROADM with in-band OSA and high-resolution OSA
- Ethernet 10 Mbps – 10 GE (Layers 1–4)
- Fibre Channel 1, 2, 4, 8, and 10 G
- eNode B CPRI and OBSAI fronthaul interfaces
- TDM/PDH/SDH/SONET 1.5 Mbps – 10 Gbps
- OTN (2.7 – 112 Gbps)
- TrueSpeed automated RFC 6349 TCP throughput test

Cloud-enabled Benefits Ensure Future Support for your Testing Investment

- Use StrataSync to manage cloud-enabled assets, configurations, and test-data
- Through remote access, experts can troubleshoot complex field issues with Ethernet, WiFi, 4G, and LTE
- Certify your measurements with GPS coordinates



Protect your Investment by Adding New Modules/Options, Ensuring Backward Module Compatibility

- Works with last-generation modules and former T-BERD/MTS-6000/6000A (V1) modules
- Choose from a variety of mainframe options at any time (PM/VFL/talk set and others) for field installation



Improve your Field Operations with Continued Improvements to an Already-Proven Solution

- Boots up fast
- Latest lithium polymer (LiPoly) battery technology increases battery life for better field autonomy
- 100 G SATA hard disk stores thousands of reports
- Large 8-inch high-visibility touch screen improves use in both indoor and outdoor lighting conditions



More than 20 Optical Test Applications

Lifetime Connector Performance

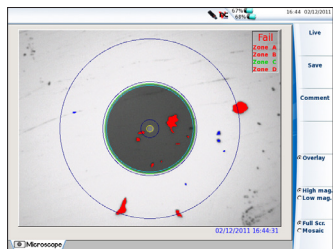
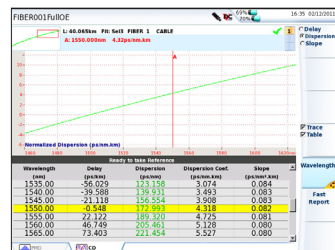
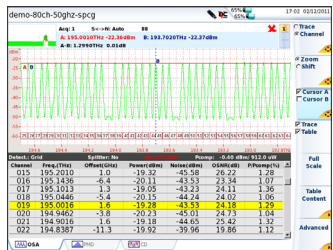
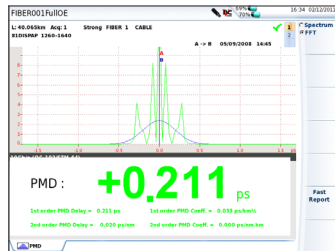
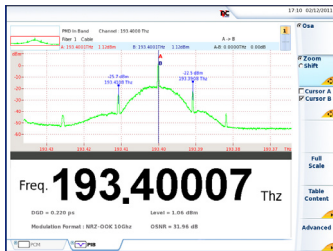
- Eliminate the guesswork with onboard connector inspection PASS/FAIL analysis
- Certify compliance to industry IEC standards or specifications

Dispersion

Qualify your network's suitability for high-speed transmission with a combined CD, PMD, and AP test module compatible with all types of networks.

WDM/ROADM

- Protect your investment with OSA modules that support all CWDM and DWDM applications, including 40 G/100 G testing and new modulation formats
- Measure the true OSNR in both ROADM and 40 G networks with tight channel spacing
- Fully analyze 400 G Nyquist WDM signals with the industry's first field OSA

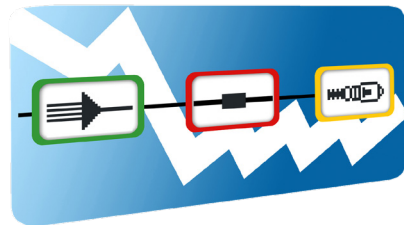


OTDR, Loss, and Return Loss

- Choose the right OTDR solution to test ultra-long haul, metro, CWDM, access, and FTTx/PON networks
- Configure the number of wavelengths that best fit your test needs
- Combine multi-wavelength OTDRs to turn up CWDM networks
- Add the data link function to perform automated bidirectional acquisitions
- Choose all-in-one bidirectional IL, ORL, and OTDR tests from a single connector port

Smart Link Mapper (SLM) Family – for T-BERD/MTS OTDR Platforms

- The SLM intelligent optical software application instantly and schematically shows the tested fiber link and automatically recognizes, interprets, and displays each OTDR event as a simple icon for easy understanding
- FTTA-SLM is based on SLM and adds specific software for fiber-to-the-antenna (FTTA) networks, including testing at places like cell towers and roof tops
- FTTH-SLM is based on SLM and adds specific software for fiber-to-the-home (FTTH) networks and can test through splitters



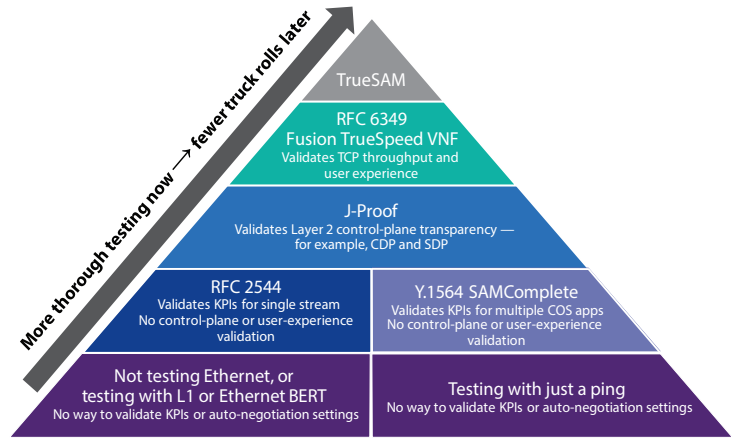
Multi-Service Application Testing

- One tool can test all your network service needs, including Ethernet, Fibre Channel, PDH, SDH/SONET, OTN, CPRI, and OBSAI
- Provide industry-leading multiport 10 G modular platform testing for network field installation, advanced troubleshooting, and lab-based network validation
- Guarantee end-customer satisfaction with application-layer testing for data (TrueSpeed per RFC 6349), voice (VoIP), and video (IPTV)
- Promote service efficiency and network life cycle management with integrated installation and advanced troubleshooting analysis tools in a single test instrument



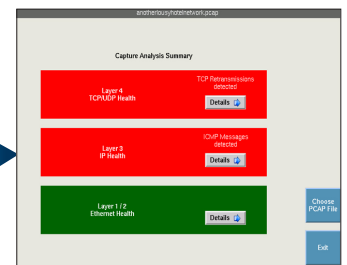
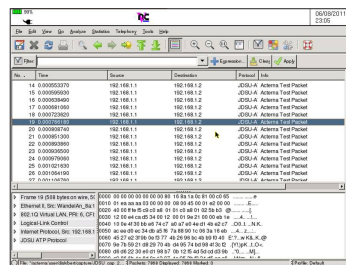
Save Valuable Time with Service-activation Tests

- Test better and quicker with automated tests
- J-QuickCheck — Quick automated test (RFC 2544, Y.1564) validates end-to-end and auto-negotiation configuration
- Enhanced RFC 2544 — Automated turn-up test validates key performance indicators (KPIs)/measures SLAs concurrently— throughput, frame delay, and delay variation, frame loss, and optionally committed burst size (CBS)
- Y.1564 SAMComplete — Automated service verification test speeds installation of multiple classes of services (COS)
- TrueSpeed per RFC 6349 — Automated, standards-based test saves 20 percent or more in operating expenses (OpEx) and eliminates finger-pointing for slow file downloads
- TrueSAM — Combines these tests into one ultimate installation tool



Reduce Network Problem Mean Time to Repair Automated Tests Immediately Identify Problems and Eliminate the need for a Separate Analyzer

- Network Discovery — Automatically identify equipment present on the network
- J-Profiler — Discovers live traffic streams for real-time troubleshooting that analyzes top-talkers while in service
- Integrated Capture/Decode — Provides 10 G line-rate packet capture and analysis in a handheld test tool
- J-Mentor — Provides expert troubleshooting guidance interpreting packet decodes
- Reduces CapEx/OpEx — Eliminates the need for a separate analyzer and immediately identifies problems without the need for a field expert



J-Mentor — Provides expert troubleshooting guidance

