

VIAVI T-BERD/MTS-4000 Optical Test Platform

Modular Test Platform designed for the installation, turn-up and maintenance of fiber optic networks

Telecommunication network topologies and technologies are evolving rapidly to respond to increased bandwidth requirements. Installers and service providers must equip technicians with scalable and easy-to-use test tools that addresses a wide range of up-to-date optical test applications quickly and accurately under all field conditions.

The VIAVI T-BERD/MTS-4000 V2 is the optical test platform engineers, technicians, installers and contractors can rely on, providing:

- An easy-to-use solution with intuitive icon-based graphical user interface (GUI) and multi-touch screen requiring minimal training
- A compact platform with field-replaceable modules covering multiple optical test functions (OTDRs, optical power & loss testing, Optical Spectrum Analyzer (OSA), etc...) that enable complete optical network qualification.
- Optimum workflow and operation within the platform or through the cloud with VIAVI StrataSync and SmartAccess Anywhere

Benefits

- Certify the fiber physical layer of FTTx/PON, access, metro and enterprise networks
- Two field-replaceable modules increase flexibility
- Smarter and faster field testing with tablet user interface
- Advanced cloud support and remote connectivity

Features

- Dual-modular handheld platform
- Large 9-inch high visibility touchscreen with permanent function keys
- Essential tools integrated and supported in the platform (visual fault locator, optical power meter, optical microscope and talkset)
- Flexible connectivity; Ethernet, WiFi, Bluetooth
- Smart Access Anywhere (SAA) for remote control & field tech support
- StrataSync enabled — centralized cloud based asset, configuration, test data and workflow management

Applications

- Fiber optic test, qualification, certification and reporting





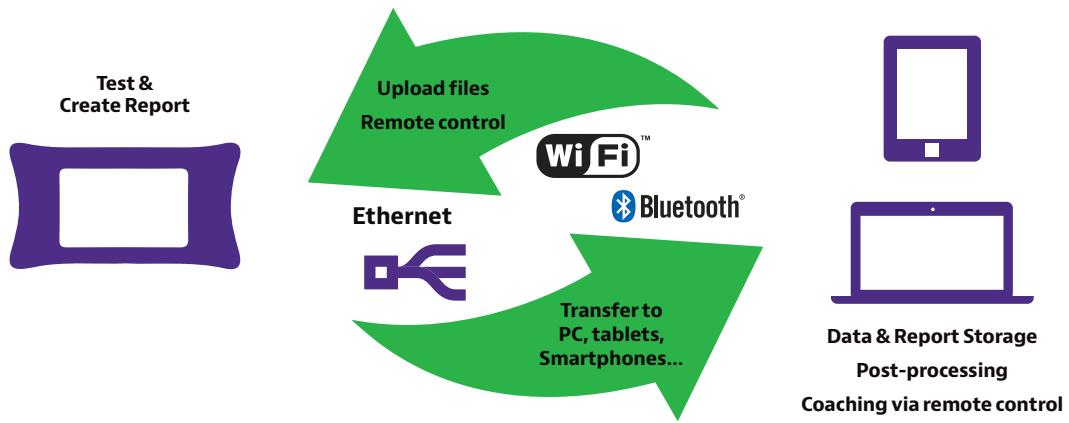
Dual Slot Modular Platform for Maximum Scalability and Usability

The T-BERD/MTS-4000 V2 platform is a highly integrated optical test platform with two module bays, a large 9-inch color touchscreen with multi-touch capability, enabling the use of many optical test functions

It supports the range of VIAVI fiber analysis tools including OSA, OTDR, bidirectional insertion loss/ORL, light source, power meter, and connector inspection.

The dual module slot design delivers an all-in-one optical network test solution with a combination of key optical functions, for example:

- For MPO fiber qualification: integrated OTDR and MPO switch test platform
- For CWDM/DWDM network deployment: integrated CWDM/DWDM OTDRs and OSA test platform
- For full CWDM network deployment: full 18 CWDM wavelengths OTDR test platform



Advanced connectivity, workflow and reporting capabilities

The T-BERD/MTS-4000 V2 supports advanced connectivity via wireline, wireless and the cloud. Test workflow, reporting and asset management is made easier with StrataSync while SmartAccess Anywhere (SAA) enables remote control, from a PC browser or smartphone/tablet app, for launching tests or providing support to techs on site. Instruments and techs can also talk to each other using the fiber under test or separate comms fiber via the optical module in use or talkset.

T-BERD/MTS-4000 Dual-slot Modular Platform Overview

1. 9-inch high visibility touchscreen
2. On/off button
3. On indicator
4. Charge indicator
5. Home button
6. Result/Setup/File button
7. Start/Stop
8. Direction keys
9. Validation/Enter key
10. Testing indicator
11. Two interchangeable module fields
12. AC/DC input
13. High-speed Ethernet
14. Headset
15. Two USB 2.0 ports
16. Optical (VLF, Power meter, Talkset)
17. Battery
18. Wifi/Bluetooth



Specifications (typical at 25°C)

General Description		Environmental	
Display 9-inch touchscreen with high visibility LCD 800x480		Operating temperature range (no option)	-20 to +50°C (-4 to 122°F)
Storage and I/O Interfaces		Operating temperature range (all options)	0 to 40°C (32 to 104°F)
Internal memory	1 Gb	Storage temperature range	-20 to +60°C (-4 to 140°F)
WiFi/Bluetooth	Standard IEEE 802.11 b/g and Bluetooth Class 2	Humidity, non condensing	95%
Ethernet	10/100/1000 MHz	EMC	EN61326-1 / FCC 47-1 Part 15
USB	2x USB 2.0 ports	Platform Optical Interface	
Power Supply		Power meter	
Battery type	Standard removable LiIon	Power level	+10 to -60 dBm
AC/DC adapter	Input 100-250V, 50-60Hz Output 12-15 V DC/3.7A	Calibrated wavelengths	850, 1310, 1550nm ...
Electrical Safety	EN 60950 Compliant	Connector type	Universal push/pull (UPP)
Operation time	Up to 11 hours Telcordia GR-196-CORE	Visual Fault Locator	
Size and Weight		Wavelength	635nm ±15 nm
Mainframe with two modules and battery (WxHxD)	282x153x97 mm (11.1x6.02x3.8 in)	Output power level	< 1mW
Mainframe only (with battery)	1.4 kg (3 lb)	Laser safety	Class 2 laser
Mainframe with one module (with battery)	2.3 kg (5.1 lb)	TalkSet	
		Dynamic range	32 dB typical

Ordering Information

Platform		Accessories	
Part Number	Description	Part Number	Description
ETB4000HVT	T-BERD/MTS-4000 V2 Platform	ELIION6C	Additional Standard battery
EM4000HVT		E40GLOVE	Wrap-around Glove soft case for 4000
E40PWx	Power supply (x: E, UK, US...)	E40SCASE1	Large soft case for 4000
E40VFL, E40PM, E40TSPM	VFL, Optical power meter, talkset/power meter	EHCASE6	Hard case
E40WIFIBLU2	Built-in WiFi/Bluetooth	EHCASE4X2	Hard case for two 4000 platforms
Optional Firmware Apps		E40SMODCASE1	Soft case for 2K/4K module
EFTTHSLM, EFTTASLM, ENTERPRISESLM	FTTH-SLM, FTTA-SLM, Enterprise-SLM		
ECABLESLM	Cable-SLM		
ESMARTACQ	SmartAcq		
SAA-L2	SmartAccess Anywhere Level 2		