

# 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

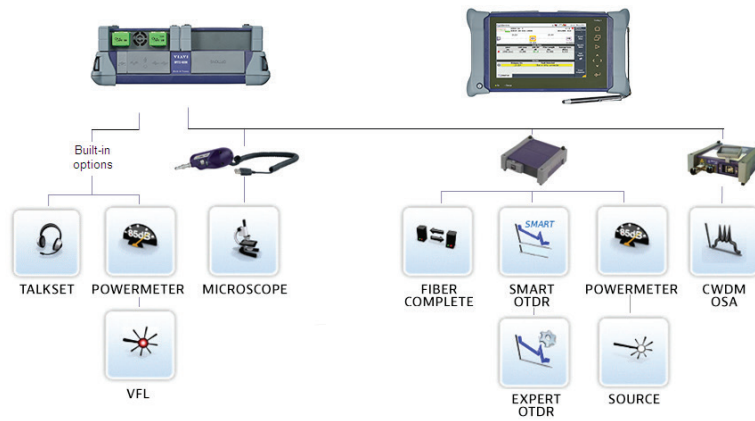
### Features

- 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





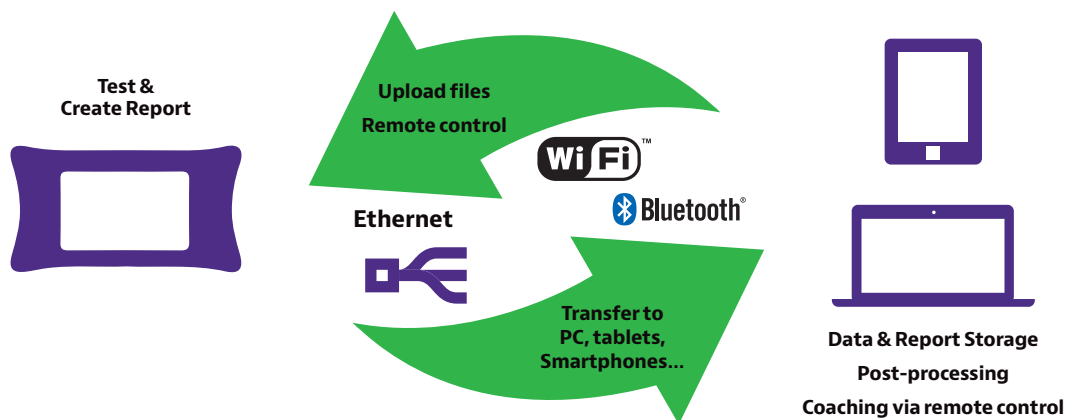
## Dual Slot Modular Platform for Maximum Scalability and Usability

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	
Display 9-inch touchscreen with high visibility LCD 800x480	
Storage and I/O Interfaces	
Internal memory	1 Gb
WiFi/Bluetooth	Standard IEEE 802.11 b/g and Bluetooth Class 2
Ethernet	10/100/1000 MHz
USB	2x USB 2.0 ports
Power Supply	
Battery type	Standard removable Lilon
AC/DC adapter	Input 100-250V, 50-60Hz Output 12-15 V DC/3.7A
Electrical Safety	EN 60950 Compliant
Operation time	Up to 11 hours Telcordia GR-196-CORE
Size and Weight	
Mainframe with two modules and battery (WxHxD)	282x153x97 mm (11.1x6.02x3.8 in)
Mainframe only (with battery)	1.4 kg (3 lb)
Mainframe with one module (with battery)	2.3 kg (5.1 lb)

Environmental	
Operating temperature range (no option)	-20 to +50°C (-4 to 122°F)
Operating temperature range (all options)	0 to 40°C (32 to 104°F)
Storage temperature range	-20 to +60°C (-4 to 140°F)
Humidity, non condensing	95%
EMC	EN61326-1 / FCC 47-1 Part 15
Platform Optical Interface	
Power meter	
Power level	+10 to -60 dBm
Calibrated wavelengths	850, 1310, 1550nm ...
Connector type	Universal push/pull (UPP)
Visual Fault Locator	
Wavelength	635nm ±15 nm
Output power level	< 1mW
Laser safety	Class 2 laser
TalkSet	
Dynamic range	32 dB typical

## Ordering Information

Platform	
Part Number	Description
ETB4000HVT EM4000HVT	T-BERD/MTS-4000 V2 Platform
E40PWx	Power supply (x: E, UK, US...)
E40VFL, E40PM, E40TSPM	VFL, Optical power meter, talkset/power meter
E40WIFIBLU2	Built-in WiFi/Bluetooth
Optional Firmware Apps	
EFTTHSLM, EFTTASLM, ENTERPRISESLM	FTTH-SLM, FTTA-SLM, Enterprise-SLM
ECABLESLM	Cable-SLM
ESMARTACQ	SmartAcq
SAA-L2	SmartAccess Anywhere Level 2

Accessories	
ELIION6C	Additional 6 cell Li-Ion standard rechargeable battery
ELIION9C	Additional 9 cell Li-Ion long life rechargeable battery
E40GLOVE	Wrap-around Glove soft case for 4000
E40SCASE1	Large soft case for 4000
EHCASE6	Hard case
EHCASE4X2	Hard case for two 4000 platforms
E40SMODCASE1	Soft case for 2K/4K module



Contact Us **+1 844 GO VIAVI**  
(+1 844 468 4284)

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