

Data Sheet

# VIAVI T-BERD/MTS-8000 Scalable Multitest Platform

One solution that expands to more than 40 tests

## Keep ahead of the telecommunications technology curve

The VIAVI Solutions T-BERD®/MTS-8000 V2 is the versatile test solution for modern and next-generation network deployments.

Built to support current and ultra-high-speed transmission network testing needs, the T-BERD/MTS-8000 V2 embeds the latest state-of-the-art technology for those planning long-term investments and offers simply the best-in-test solution.

### Key Benefits

- Multitest platform to accelerate deployment and maintenance of ultra-high-speed networks
- Increased scalability with more than 40 applications and hundreds of test configurations
- Stay connected wherever you are with 4G/5G, WiFi, Bluetooth, or Ethernet
- Seamless workflow with automated test sequences and on-the-go post-processing

### Key Features

- Modular test platform
- High-speed PowerPC processor with 100 GB SATA hard disk
- High-visibility touch-screen display
- Automated fiber connector inspection with IEC pass/fail analysis
- Built-in optical options including power meter, VFL, and talk set

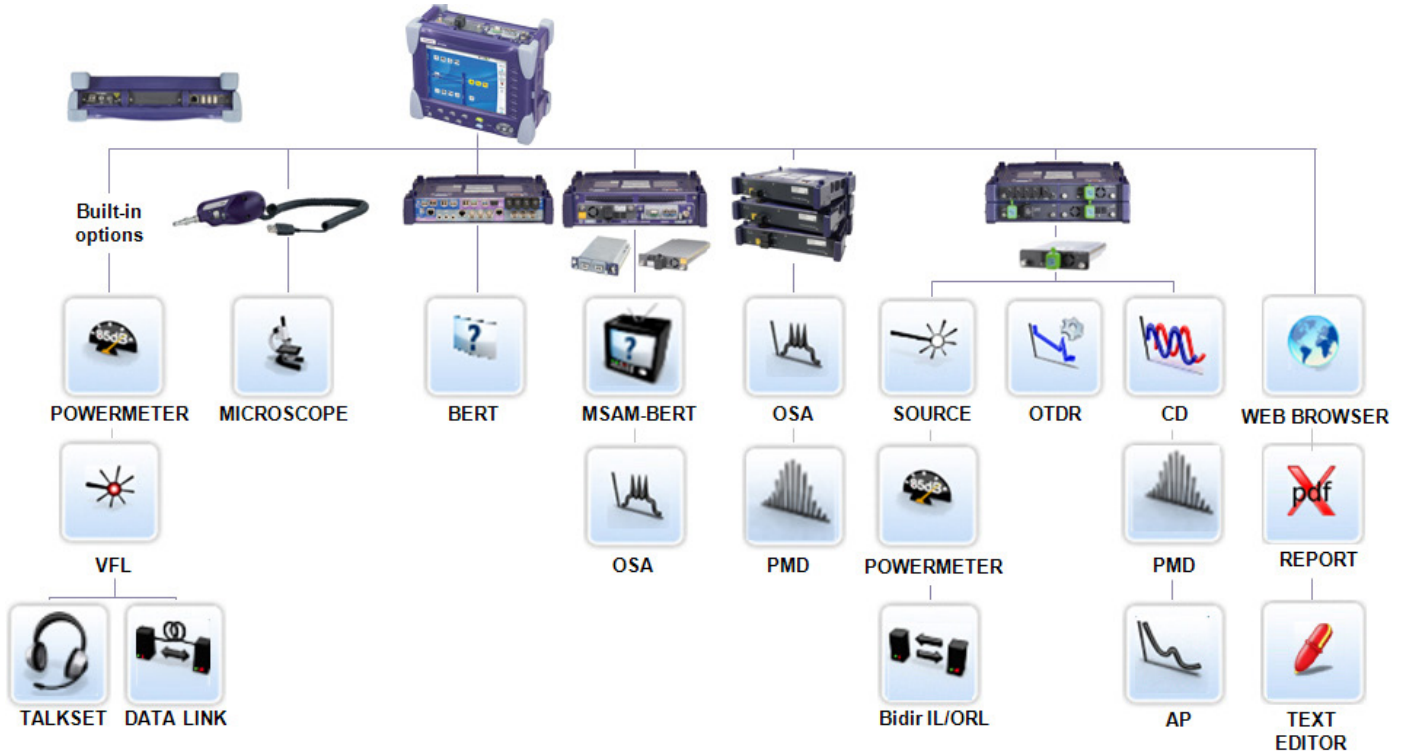
### Applications

- Perform physical layer fiber characterization for high-speed CWDM/DWDM transmission networks
- Activate and commission next-generation transport and datacom services



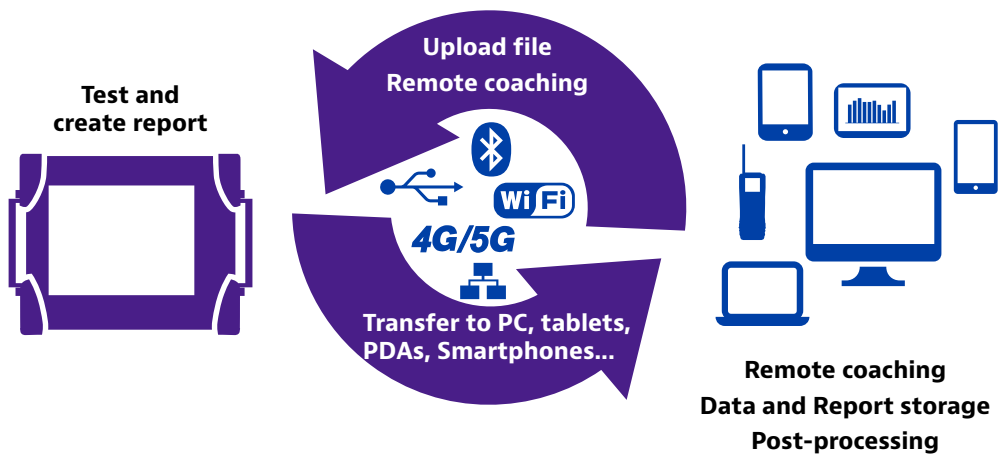
## A full set of applications and utilities optimizes field-testing efficiency

The T-BERD/MTS-8000 V2 empowers technicians with an installation and maintenance platform that uniquely combines physical, optical, and transport/Ethernet testing capabilities.



## Stay connected wherever you are

The T-BERD/MTS-8000 V2 integrates various communication capabilities for remote access from anywhere, enabling data and setup uploads/downloads, remote coaching, and report delivery.



## Designed for efficiency and connectivity



- 1 10.4 inch touch screen
- 2 Battery indicator
- 3 On indicator
- 4 On/Off
- 5 Export
- 6 Home page
- 7 File menu
- 8 Setup menu
- 9 Results page
- 10 Loud speaker
- 11 Start/Stop
- 12 Script
- 13 Testing indicator
- 14 Direction and validation keys
- 15 Menu keys
- 16 WiFi option
- 17 Bluetooth option
- 18 Removable hard disk
- 19 AC/DC input
- 20 Optical talk set option
- 21 Optical power meter option
- 22 VFL option
- 23 1GE port
- 24 Three USB 2.0 ports
- 25 Mini USB 2.0 ports
- 26 Headset jack

## Scalable multitest platform meets network requirements

With its stackable design, the T-BERD/MTS 8000 V2 provides the most scalable advanced solution for all of your optical testing needs. It is completely field-upgradeable to address both current and future testing requirements.



## Specifications

Platform	
Display	10.4-inches TFT color touch screen Resolution: 800 x 600
Interfaces	3 x USB 2.0 ports 1 x mini-USB 2.0 port RJ45 LAN 10/100/1000 Mbps Built-in Bluetooth (optional) Built-in WiFi 802.11 b/g/n (optional)
Internal memory	2 GB (128 MB for storage)
Batteries	Two rechargeable Li-ion (total of 200 W.h)
Power supplies	
Standard	AC/DC adapter, input 100–250 V, 50–60 Hz, output 24 VDC, 6.25 A max., Electrical safety: EN60950 compliant
High power	AC/DC adapter, input 100–250 V, 50–60 Hz, output 21 VDC, 10.5 A max., Electrical safety: EN60950 compliant
Size with battery pack (W x H x D)	326 x 267x 93 mm (12.8 x 10.5 x 3.6 in)
Weight with 2 batteries	4.280 kg (9.44 lbs)
Temperature	
Operating	–20 to +50°C (–4 to 122°F)
Storage	–20 to +60°C (–4 to 140°F)
Relative humidity	0 to 95% non condensing
Built-in power meter <sup>1</sup> (optional)	
Calibrated wavelength	850, 1310, 1490, 1550, 1625, 1650 nm
Wavelength range	800 to 1650 nm in 1 nm steps
Accuracy <sup>2</sup>	± 0.2 dB
Measurement range <sup>3</sup>	+5 to –50 dBm
Maximum resolution	0.01 dB/0.01 nW
Connector type	Universal push/pull (UPP)
Visual fault locator (VFL) (optional)	
Wavelength	650 nm
Emission mode	CW, 1 Hz
Laser class	Class 2 as per standards EN60825-1 and FDA21 CFR Part 1040.10
Optical talk set (optional)	
Dynamic range	45 dB (typical)

1. At 25°C after 20 minutes stabilization time and after zero setting
2. At calibrated wavelength (except 1650 nm)
3. –45 dBm from 800 to 1250 nm

## Ordering Information

Description	Part Number
T-BERD/MTS-8000 V2 Scalable Multitest platform for standard use Includes 100 GB hard disk, 2 standard batteries and 150 W standard power supply	ETB8000E/EM8000E
T-BERD/MTS-8000 V2 Scalable Multitest platform for high-power use Includes 100 GB hard disk, 2 high-power batteries, power supply (150, 220 or 300 W to be specified)	ETB8000EHP/EM8000EHP
2 plug-in receptacles for optical modules	E8100, E8100E
Dual-module carrier for MSAM, MSAM v2	C8300
Built-in optical power meter and VFL with 2.5 mm UPP connectors	E80EPMVFL
Built-in talk set (adapter to be configured), optical power meter and VFL (2.5 mm UPP connectors)	E80ETSPMVFL
WiFi option	E80EWIFI
Standard Li ion battery	E80ELIION
High-power Li ion battery	E80ELIIONHP
Additional kickstand for multi-module configurations	E80KSTAND
Soft carrying case handling the platform and a combination of modules of 12 cm/4.75 in depth	E80SCASE2
Hard carrying case for T-BERD/MTS-8000 platform	E80HCASE1

## VIAMI Care Support Plans


### Increase your productivity for up to 5 years with optional VIAMI Care Support Plans:

- Maximize your time with on-demand training, priority technical application support and rapid service.
- Maintain your equipment for peak performance at a low, predictable cost.

Plan availability depends on product and region. Not all plans are available for each product or in every region. To find out which VIAMI Care Support Plan options are available for this product in your region, contact your local representative or visit: [viavisolutions.com/viavicareplan](https://viavisolutions.com/viavicareplan)

### Features

\*5-year plans only

Plan	Objective	Technical Assistance	Factory Repair	Priority Service	Self-paced Training	5 Year Battery and Bag Coverage	Factory Calibration	Accessory Coverage	Express Loaner
 BronzeCare	Technician Efficiency	Premium	✓	✓	✓				
 SilverCare	Maintenance & Measurement Accuracy	Premium	✓	✓	✓	✓*	✓		
 MaxCare	High Availability	Premium	✓	✓	✓	✓*	✓	✓	✓



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