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Data Sheet

August 8, 2026

JDSU

JDSU E8136UHD Ultra Long Haul Optical Time Domain Reflectometer Module

JDSU E8136UHD Ultra Long Haul Optical Time Domain Reflectometer Module The JDSU E8136UHD is an Ultra Long Haul (UHD) OTDR plug-in module for MTS / T-BERD platforms. It provides 1310/1550/1625 nm ultra-long-range OTDR characterization with up to 50 dB RMS dynamic range at 1550 nm using a 20 μ s pulse width, supporting distance ranges to 380 km class for terrestrial and subterranean long-haul fiber networks. Ultra long-haul terrestrial fiber commissioning; submarine/terrestrial long-span fault location; metro/long-haul link qualification; high-DR OTDR with improved dead-zone accuracy via shorter pulses. The JDSU E8136UHD is an Ultra Long Haul (UHD) OTDR plug-in module for MTS / T-BERD platforms. It provides 1310/1550/1625 nm ultra-long-range OTDR characterization with up to 50 dB RMS dynamic range at 1550 nm using a 20 μ s pulse width, supporting distance ranges to 380 km class for terrestrial and subterranean long-haul fiber networks. Ultra long-haul terrestrial fiber commissioning; submarine/terrestrial long-span fault location; metro/long-haul link qualification; high-DR OTDR with improved dead-zone accuracy via shorter pulses.



MODEL

JDSU E8136UHD

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

E8136UHD

LISTING

<https://aumictechlabs.com/products/e8136uhd-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDSU E8136UHD is an ultra long haul OTDR module engineered for characterization, installation, and maintenance of extensive optical fiber networks. This plug-in module delivers superior dynamic range and measurement accuracy across distances to 380 km, making it essential for long-haul terrestrial and subterranean fiber testing. The E8136UHD integrates into JDSU MTS/T-BERD platforms to provide scalable, automated testing with rapid measurement cycles.

Technical Specifications

Wavelengths: 1310 nm, 1550 nm, 1625 nm
Maximum Distance Range: 380 km
Maximum Pulse Width: 20 μ s
Dynamic Range: Up to 50 dB at 1550 nm (20 μ s pulsewidth); >46 dB at 1310/1550/1625 nm
Event Dead Zone: $\leq$ 65 cm
Attenuation Dead Zone: 2.5 m
Acquisition Points: Up to 256,000 (128,000 with 0.1 s real-time sweep)
Module Dimensions: 12.16 in. $\times$ 9.96 in. $\times$ 2.13 in. (30.88 cm $\times$ 25.3 cm $\times$ 5.41 cm)
Module Weight: 5.5 lbs (2.5 kg)
Operating Temperature: 0°C to +40°C
Storage Temperature: -20°C to +60°C
Humidity: 5% to 95% non-condensing

Key Features

- Optimized performance for extended-distance fiber characterization
- High dynamic range enables precise measurement over long spans
- Minimal dead zones improve event detection and fault localization accuracy
- Automation and rapid testing reduce field measurement time
- Modular design integrates into existing MTS/T-BERD platforms

Typical Applications

- Long-haul fiber network installation and commissioning
- Maintenance and fault location in terrestrial and subterranean systems
- Optical fiber characterization across extended distances

Compatibility & Integration

Designed as a plug-in module for JDSU MTS/T-BERD platforms, including the MTS-8000. Compatible with optical connectors: FC, SC, ST, LC, and DIN.

Features & description

From manufacturer datasheet

Features

- Model: E8136UHD Ultra Long Haul OTDR module
- Wavelengths: 1310 / 1550 / 1625 nm (± 20 / ± 20 / ± 10 nm class)
- Pulse width: 10 ns to 20 μ s
- Dynamic range (RMS, typ): 45.5 dB (1310 nm); 50 dB (1550 nm); 45.5 dB (1625 nm)
- Event dead zone: 4.5 m class; attenuation dead zone: 15 m class
- Distance range max: 380 km class
- Sampling resolution: from 4 cm; cursor resolution from 1 cm
- Platform: MTS / T-BERD modular handheld mainframes
- Application: Metro / Long Haul / Ultra Long Haul

E8136UHD Characteristics / Specifications

PARAMETER	VALUE
Model	E8136UHD Ultra Long Haul OTDR module
Manufacturer	JDSU / Acterna (VIAVI Solutions)
Instrument Type	Ultra Long Haul OTDR Module
Family	MTS/T-BERD OTDR UHD
Alias	E8136UHD; Ultra Long Haul OTDR Optical 1310/1550/1625 nm; DR 45.5/50/45.5 dB; 380 km class Operational Notes Prefer JDSU MTS/T-BERD OTDR module datasheet UHD row. Requires compatible MTS/T-BERD mainframe. Confirm exact connector and installed options on module label.
Wavelengths	1310 / 1550 / 1625 nm (± 20 / ± 20 / ± 10 nm class)
Pulse width	10 ns to 20 μ s
Dynamic range (RMS, typ)	45.5 dB (1310 nm); 50 dB (1550 nm); 45.5 dB (1625 nm)
Event dead zone	4.5 m class; attenuation dead zone: 15 m class
Distance range max	380 km class
Sampling resolution	from 4 cm; cursor resolution from 1 cm
Platform	MTS / T-BERD modular handheld mainframes
Application	Metro / Long Haul / Ultra Long Haul
Attenuation	dead zone: 15 m class - Distance range max: 380 km class - Sampling resolution: from 4 cm; cursor resolution from 1 cm - Platform: MTS / T-BERD modular handheld mainframes - Application: Metro / Long Haul / Ultra Long Haul

E8136UHD Specifications

PARAMETER	VALUE
Key Features	- Model: E8136UHD Ultra Long Haul OTDR module
Technical Specifications	Model: E8136UHD
Optical	1310/1550/1625 nm; DR 45.5/50/45.5 dB; 380 km class

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	E8136UHD
Manufacturer	JDSU / Acterna (VIAVI Solutions)
Instrument Type	Ultra Long Haul OTDR Module
Family	MTS/T-BERD OTDR UHD
Alias	E8136UHD; Ultra Long Haul OTDR

Optical

1310/1550/1625 nm; DR 45.5/50/45.5 dB; 380 km class

Operational Notes

Prefer JDSU MTS/T-BERD OTDR module datasheet UHD row. Requires compatible MTS/T-BERD mainframe. Confirm exact connector and installed options on module label.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.