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Data Sheet

August 13, 2026

JDS UNIPHASE

JDS Uniphase 4136LM

JDSU E4136LM Last Mile 1310/1550/1625 nm OTDR Module The JDSU E4136LM isathree-wavelength Last Mile (LM) OTDR module for the T-BERD/MTS-4000. It adds 1625 nm to the 1310/1550 nm LM pair for out-of-band in-service PON maintenance per ITU-T L.41. Typical RMS dynamic range is 32/30/30 dB at 1310/1550/1625 nm with a 1 m event dead zone and 4 m attenuation dead zone. Filtered sibling E4136RLM rejects 1310/1490/1550 nm traffic at the 1625 nm port. Optional source and power meter share the OTDR port. Access/FTTx construction and maintenance; in-service troubleshooting at 1625 nm without disturbing OLT lasers; feeder, distribution, and drop characterization; macrobend detection. The JDSU E4136LM isathree-wavelength Last Mile (LM) OTDR module for the T-BERD/MTS-4000. It adds 1625 nm to the 1310/1550 nm LM pair for out-of-band in-service PON maintenance per ITU-T L.41. Typical RMS dynamic range is 32/30/30 dB at 1310/1550/1625 nm with a 1 m event dead zone and 4 m attenuation dead zone. Filtered sibling E4136RLM rejects 1310/1490/1550 nm traffic at the 1625 nm port. Optional source and power meter share the OTDR port. Access/FTTx construction and maintenance; in-service troubleshooting at 1625 nm without disturbing OLT lasers; feeder, distribution, and drop characterization; macrobend detection.



MODEL

**JDS Uniphase
4136LM**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

4136LM

LISTING

**[https://aumictechlabs.c
om/products/4136lm-2/](https://aumictechlabs.com/products/4136lm-2/)**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase 4136LM is a Last Mile OTDR module engineered for fiber optic network testing and characterization within the JDSU T-BERD/MTS-4000 platform. Designed for SMF 9/125 μm fiber, it delivers fault location, quick-link testing, and construction-mode trace analysis with fully automatic operation. The module supports in-service testing on PON deployments using ITU-T L41 maintenance wavelengths (1625 nm or 1650 nm), enabling measurements without disrupting active optical traffic. Technical Specifications Operating Wavelengths and Performance Central wavelengths: 1310 nm ± 20 nm, 1550 nm ± 20 nm, 1625 nm ± 10 nm, 1650 nm ± 20 nm RMS dynamic range: 34 dB (1310 nm), 32 dB (1550 nm), 32 dB (1625 nm), 30 dB (1650 nm) Pulse width: 3 ns to 20 μs Event dead zone: 1 m at 1310 nm (± 1.5 dB down from -27 dB reflective event peak) Attenuation dead zone: 4 m at 1310 nm (± 0.5 dB from linear regression using -55 dB reflective event) Data acquisition: Up to 256,000 points Attenuation and Reflectance Measurements Attenuation modes: Automatic, manual, 2-point, 5-point, and LSA Display range: 1.25 to 55 dB Reflectance accuracy: ± 2 dB Display resolution: 0.01 dB Integrated Loss Test Set (LTS) Laser source: Continuous wave or modulated operation Power meter (optional): -2 dBm to -50 dBm range Power meter wavelengths: 1310 nm, 1490 nm, 1550 nm, 1625 nm, 1650 nm Power measurement accuracy: ± 0.5 dB Filtered wavelength rejection: 1310 nm, 1490 nm, 1550 nm options available Physical and Safety Dimensions: 128 $\times$ 134 $\times$ 40 mm (W $\times$ H $\times$ D) Weight: 0.35 kg Laser safety class: Class 1 (21 CFR) Key Features One-button Fault Locator for fiber ends, total loss, and Optical Return Loss (ORL) determination Quick-link Test mode combining automatic acquisition with detailed trace analysis Construction Mode for high-level trace analysis during fiber commissioning In-service testing capability on active PON deployments without traffic interruption Filtered wavelength options to reject interfering signals on active lines Typical Applications Access and premises network construction and commissioning FTTx deployment and maintenance Short-haul fiber characterization In-service PON network testing and troubleshooting Compatibility & Integration Module for JDSU T-BERD/MTS-4000 Multiple Services Test Platform. Compatible with SMF 9/125 μm fiber.

Features & description

From manufacturer datasheet

Features

- Triple-wavelength 1310/1550/1625 nm Last Mile OTDR
- Out-of-band 1625 nm for in-service PON maintenance (ITU-T L.41)
- Automatic traffic detection before live-fiber acquisition
- Optional CW/modulated source (270/330 Hz, 1/2 kHz) and power meter
- Field-replaceable cassette; interchangeable optical adapters
- Related filtered SKU E4136RLM for live-PON 1625 nm shots

4136LM Characteristics / Specifications

PARAMETER	VALUE
Model	E4136LM
Manufacturer	JDSU
Instrument Type	Last Mile OTDR module
Platform	T-BERD / MTS-4000
Alias	4136LM; E4136LM; JDSU 4136LM
Wavelengths	1310 +/-20 nm, 1550 +/-20 nm, 1625 +/-10 nm (25 C, 10 us)
Pulse Width	3 ns to 10 us
RMS Dynamic Range 13	32 dB
RMS Dynamic Range 15	30 dB
RMS Dynamic Range 16	30 dB
Event Dead Zone	1 m (1310 nm, +/-1.5 dB from peak of -27 dB reflection)
Attenuation Dead Zone	4 m (1310 nm, +/-0.5 dB from linear regression, -55 dB event)
Fiber Type	SMF 9/125 um
Laser Class	Class 1 (21 CFR)
Distance Units	kilometers, feet, and miles
Group Index Range	1.30000 to 1.70000 in 0.00001 steps
Data Points	up to 128000
Distance Display Range	1 km to 160 km
Cursor Resolution Distance	1 cm
Sampling Resolution	4 cm
Distance Accuracy	+/-1 m +/- sampling resolution +/-1.10e-5 x distance (excluding group index)
Attenuation Display Range	1.25 to 55 dB
Attenuation Display Resolution	0.001 dB
Attenuation Cursor Resolution	0.001 dB
Linearity	+/-0.05 dB/dB

PARAMETER	VALUE
Loss Threshold	0.01 to 5.99 dB in 0.01 dB steps
Reflectance Accuracy	+/-2 dB
Reflectance Display Resolution	0.01 dB
Reflectance Threshold	-11 to -99 dB in 1 dB steps
Power Meter Range	-2 to -50 dBm (option)
Power Meter Cal Wavelengths	1310, 1550, 1625, 1650 nm
Power Meter Accuracy	+/-0.5 dB
Connectors	FC, SC, DIN, LC (PC or APC) and ST (PC)
Dimensions	128 × 134 × 40 mm
Weight	0.35 kg
Spec Condition	typical at 25 C
Related E4126LM	1310/1550 nm only
Related E4136RLM	1310/1550 plus filtered 1625 nm
Related E4138LM	1310/1550/1650 nm
Attenuation	Dead Zone: 4 m (1310 nm, +/-0.5 dB from linear regression, -55 dB event)

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	E4136LM
Manufacturer	JDSU
Instrument Type	Last Mile OTDR module
Platform	T-BERD / MTS-4000
Alias	4136LM; E4136LM; JDSU 4136LM
Wavelengths	1310 +/-20 nm, 1550 +/-20 nm, 1625 +/-10 nm (25 C, 10 us)
Pulse Width	3 ns to 10 us
RMS Dynamic Range 1310	32 dB
RMS Dynamic Range 1550	30 dB
RMS Dynamic Range 1625	30 dB
Event Dead Zone	1 m (1310 nm, +/-1.5 dB from peak of -27 dB reflection)
Attenuation Dead Zone	4 m (1310 nm, +/-0.5 dB from linear regression, -55 dB event)
Fiber Type	SMF 9/125 um
Laser Class	Class 1 (21 CFR)
Distance Units	kilometers, feet, and miles
Group Index Range	1.30000 to 1.70000 in 0.00001 steps
Data Points	up to 128000
Distance Display Range	1 km to 160 km
Cursor Resolution Distance	1 cm
Sampling Resolution	4 cm
Distance Accuracy	+/-1 m +/- sampling resolution +/-1.10e-5 x distance (excluding group index)
Attenuation Display Range	1.25 to 55 dB
Attenuation Display Resolution	0.001 dB
Attenuation Cursor Resolution	0.001 dB
Linearity	+/-0.05 dB/dB

PARAMETER	VALUE
Loss Threshold	0.01 to 5.99 dB in 0.01 dB steps
Reflectance Accuracy	+/-2 dB
Reflectance Display Resolution	0.01 dB
Reflectance Threshold	-11 to -99 dB in 1 dB steps
Power Meter Range	-2 to -50 dBm (option)
Power Meter Cal Wavelengths	1310, 1550, 1625, 1650 nm
Power Meter Accuracy	+/-0.5 dB
Connectors	FC, SC, DIN, LC (PC or APC) and ST (PC)
Dimensions	128 x 134 x 40 mm
Weight	0.35 kg
Spec Condition	typical at 25 C
Related E4126LM	1310/1550 nm only
Related E4136RLM	1310/1550 plus filtered 1625 nm
Related E4138LM65	1310/1550/1650 nm

Notes

Rows from the JDSU T-BERD/MTS-4000 Last Mile OTDR Module datasheet (LMOTDR.DS.FOP.TM.AE). E4136LM is the unfiltered 1310/1550/1625 nm ordering code. Confirm whether the unit is E4136LM or filtered E4136RLM, and connector/source/PM options.

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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30-day returns
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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.