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Data Sheet

August 13, 2026

JDS UNIPHASE

JDS Uniphase 4126LM

JDSU E4126LM Last Mile 1310/1550 nm OTDR Module The JDSU E4126LM is a dual-wavelength Last Mile (LM) OTDR module for the T-BERD/MTS-4000 Multiple Services Test Platform. It is optimized for access and FTTx construction, turn-up, and maintenance. Typical RMS dynamic range is 32 dB at 1310 nm and 30 dB at 1550 nm with a 1 m event dead zone and 4 m attenuation dead zone. Optional source and power meter share the OTDR port. Field-replaceable cassette; interchangeable FC/SC/DIN/LC/ST connectors. Access/FTTx feeder characterization; distribution and drop continuity; central-office OLT and FDF qualification; fault location and macrobend detection on SMF 9/125 um plant. The JDSU E4126LM is a dual-wavelength Last Mile (LM) OTDR module for the T-BERD/MTS-4000 Multiple Services Test Platform. It is optimized for access and FTTx construction, turn-up, and maintenance. Typical RMS dynamic range is 32 dB at 1310 nm and 30 dB at 1550 nm with a 1 m event dead zone and 4 m attenuation dead zone. Optional source and power meter share the OTDR port. Field-replaceable cassette; interchangeable FC/SC/DIN/LC/ST connectors. Access/FTTx feeder characterization; distribution and drop continuity; central-office OLT and FDF qualification; fault location and macrobend detection on SMF 9/125 um plant.



MODEL

**JDS Uniphase
4126LM**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

4126LM

LISTING

<https://aumictechlabs.com/products/4126lm-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase 4126LM is a dual-wavelength OTDR module engineered for comprehensive optical network testing and troubleshooting across FTTx, enterprise, and metro architectures. This laser diode module integrates OTDR measurement capability with a continuous wave light source and power meter functionality, enabling installation, turn-up, and maintenance operations on point-to-point and passive optical networks (PONs). The module delivers 32 dB dynamic range at 1310 nm and 30 dB at 1550 nm, with event and attenuation dead zones of 1 m and 4 m respectively. It accommodates configurable pulse widths from 3 ns to 10 μ s and captures up to 256,000 acquisition points. Traffic detection triggers automatically upon connection to live fiber. Interchangeable FC, SC, DIN, LC, and ST connectors enable flexible field deployment across standard and APC-terminated installations.

Technical Specifications

Wavelengths (Single-Mode): 1310 nm $\pm$ 20 nm, 1550 nm $\pm$ 20 nm

OTDR Dynamic Range: 32 dB at 1310 nm; 30 dB at 1550 nm

Event Dead Zone: 1 m

Attenuation Dead Zone: 4 m

Pulse Width Range: 3 ns to 10 μ s

Maximum Acquisition Points: 256,000

Power Meter Wavelengths: 1310 nm, 1490 nm, 1550 nm, 1625 nm, 1650 nm

Light Source: Continuous Wave (CW)

Operating Temperature: 0 to 50 °C

Storage Temperature: -40 to 70 °C

Humidity: Maximum 95% RH non-condensing (0 to 45 °C)

Laser Safety Class (21CFR): Class 1

Dimensions: 128 × 134 × 40 mm

Weight: 0.35 kg

Key Features

- Dynamic range up to 43 dB supports testing through 1×128 optical splitters
- Single connector port for 1310/1550 nm operation; separate in-service wavelengths at 1625/1650 nm
- Interchangeable optical connectors (FC, SC, DIN, LC, ST) for multi-environment deployment
- Single, dual, and tri-wavelength configurations available
- Instant traffic detection on live fiber connections

Typical Applications

- Fiber installation and turn-up across PON and point-to-point architectures
- FTTx network qualification and troubleshooting
- Enterprise and metro network diagnostics
- Triple-play service verification (IP video, VoIP, IP Data)

Compatibility & Integration

Module integrates with JDSU T-BERD/MTS-2000, T-BERD/MTS-4000, and T-BERD/MTS-5800 platforms. Supports SLM, FTTH-SLM, and FTTH-SLM intelligent optical application software.

Features & description

From manufacturer datasheet

Features

- Dual-wavelength 1310/1550 nm Last Mile OTDR in one cassette
- Automatic traffic detection to warn before live-fiber shots
- Fault Locator one-button mode plus full OTDR construction traces
- Optional CW/modulated source and power meter through the OTDR port
- Bellcore/Telcordia trace storage (GR-196 v1.1 and v2.0)
- Combines with a PON power-meter module in the same T-BERD/MTS-4000

4126LM Characteristics / Specifications

PARAMETER	VALUE
Model	E4126LM
Manufacturer	JDSU
Instrument Type	Last Mile OTDR module
Platform	T-BERD / MTS-4000
Alias	4126LM; E4126LM; JDSU 4126LM
Wavelengths	1310 +/-20 nm and 1550 +/-20 nm (25 C, 10 us)
Pulse Width	3 ns to 10 us
RMS Dynamic Range 13	32 dB
RMS Dynamic Range 15	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
Loss Threshold	0.01 to 5.99 dB in 0.01 dB steps

PARAMETER	VALUE
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 Wavelengths	1310, 1490, 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 E4136LM	adds 1625 nm third wavelength
Source Option	E41OTDRLS
Power Meter Option	E41OTDRPM
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	E4126LM
Manufacturer	JDSU
Instrument Type	Last Mile OTDR module
Platform	T-BERD / MTS-4000
Alias	4126LM; E4126LM; JDSU 4126LM
Wavelengths	1310 +/-20 nm and 1550 +/-20 nm (25 C, 10 us)
Pulse Width	3 ns to 10 us
RMS Dynamic Range 1310	32 dB
RMS Dynamic Range 1550	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
Loss Threshold	0.01 to 5.99 dB in 0.01 dB steps

PARAMETER	VALUE
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 Wavelengths	1310, 1490, 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 E4136LM	adds 1625 nm third wavelength
Source Option	E410TDRLS
Power Meter Option	E410TDRPM

Notes

Rows from the JDSU T-BERD/MTS-4000 Last Mile OTDR Module datasheet (LMOTDR.DS.FOP.TM.AE). E4126LM is the 1310/1550 nm dual-wavelength ordering code. Confirm connector adapter and whether source/power-meter options are installed.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
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.