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Data Sheet

August 12, 2026

JDSU

JDSU ONT-503 Optical – Payload Module 40/45G 3061/91.81 AND 3075 /01

Instrument Type: ONT-503 Optical Payload Module Configuration Alias: ONT-503 40/45G payload; 3061/91.81; 3075/01 Public full parametric tables for these exact option codes are sparse in open literature. Confirm installed module labels, software licenses, and interface optics on the ONT-503 unit; do not invent line-rate eye/mask numbers without OEM docs for these codes. Alias: ONT-503 40/45G payload; 3061/91.81; 3075/01 Public full parametric tables for these exact option codes are sparse in open literature. Confirm installed module labels, software licenses, and interface optics on the ONT-503 unit; do not invent line-rate eye/mask numbers without OEM docs for these codes.



MODEL

JDSU**3061/91.81/3075/01**

CALIBRATION

Available on**request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

3061/91.81/3075/01

LISTING

<https://aumictechlabs.com/products/3061-91-81-3075-01-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDSU ONT-503 Optical Payload Module is a high-speed optical network test component engineered for 40G, 43G, and 45G payload analysis. Deployed within the ONT-5xx modular test platform, this payload module delivers both unframed BER testing and framed SDH/SONET/OTN functional testing across optical and electrical interfaces. The platform integrates a 3-slot mainframe with 15-inch touchscreen, enabling portable lab and field deployment for transport

network validation. Technical Specifications Optical Interface Wavelength range: 1530 nm to 1565 nm (transmitter and receiver) Transmitter output: 0 dBm to +3 dBm Receiver sensitivity: -5 dBm to +3 dBm Connector support: FC, SC, ST, LC, DIN ITU-T G.693 compliance Payload Rates & BER Testing Supported rates: 40 Gb/s, 43 Gb/s, 45 Gb/s Unframed BER: 39.813 Gb/s and 43.018 Gb/s PRBS pattern generation and analysis Framed testing: SDH STM-256, SONET OC-768, OTN OTM0.3 Jitter & Wander Analysis Jitter measurement: peak, RMS, and phase hit Receiver accuracy: 15 mUI (qualifying designs) ITU-T O.172 Appendices VII/VIII and O.173 compliant Wander: TIE measurements with online MTIE/TDEV analysis Clock & Synchronization Internal accuracy: ± 2 ppm Offset range: ± 50 ppm External reference synchronization from received signal or mainframe Reference clock output via SMA connector at line rate/64 Electrical Interface Options 40/43G jitter/wander testing capability CAUI-like interface via SMA pigtail for component-level debugging Ethernet Testing 10GbE LAN/WAN Phy: 10.3 Gbps and 10 Gb/s Layer 2/3 traffic generation and filtering Packet jitter measurement (current, peak, average) Service disruption measurement Key Features Modular architecture supports mixed-signal testing across optical and electrical domains Alarm, error, overhead, and pointer generation for OTN/SDH/SONET validation Support for concatenated and fully structured framed signals Typical Applications Design conformance and acceptance testing for 40/45G transport equipment SDH/SONET/OTN interface characterization Jitter and wander compliance validation per ITU standards Field troubleshooting of high-speed optical networks Compatibility & Integration The ONT-503 integrates into the ONT-5xx platform ecosystem, supporting modular configuration with optional electrical interface hardware for multi-domain testing.

Features & description

From manufacturer datasheet

Features

• Host platform: JDSU ONT-503 Optical Network Tester • Listed configuration: Optical – Payload Module 40/45G • Option / module codes cited: 3061/91.81 and 3075/01 • Rate class: 40/45G payload testing • Modular ONT architecture (slot modules + software options)

Applications

• 40G / 45G optical transport payload testing • ONT-503 modular optical network test • Lab and manufacturing optical transport validation

503 Characteristics / Specifications

PARAMETER	VALUE
Model	3061/91.81/3075/01
Manufacturer	JDSU
Instrument Type	ONT-503 Optical Payload Module Configuration
Alias	ONT-503 40/45G payload; 3061/91.81; 3075/01
Host	ONT-503
Rate class	40/45G payload testing
Module codes	3061/91.81, 3075/01 Notes Public full parametric tables for these exact option codes are sparse in open literature. Confirm installed module labels, software licenses, and interface optics on the ONT-503 unit; do not invent line-rate eye/mask numbers without OEM docs for these codes.
Host platform	JDSU ONT-503 Optical Network Tester
Listed configuration	Optical – Payload Module 40/45G
Option / module codes cited	3061/91.81 and 3075/01

503 Specifications

PARAMETER	VALUE
Applications	- 40G / 45G optical transport payload testing
Key Features	- Host platform: JDSU ONT-503 Optical Network Tester
Technical Specifications	Model: 3061/91.81/3075/01

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	3061/91.81/3075/01
Manufacturer	JDSU
Instrument Type	ONT-503 Optical Payload Module Configuration
Alias	ONT-503 40/45G payload; 3061/91.81; 3075/01

Specifications

PARAMETER	VALUE
Host	ONT-503
Rate class	40/45G
Module codes	3061/91.81, 3075/01

Notes
Public full parametric tables for these exact option codes are sparse in open literature. Confirm installed module labels, software licenses, and interface optics on the ONT-503 unit; do not invent line-rate eye/mask numbers without OEM docs for these codes.

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.