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Data Sheet

August 15, 2026

IXIA

Ixia LMOC48311

The Ixia LMOC48311 is an OC-48 (2.488 Gb/s) SONET/SDH load module for Ixia chassis (Optixia/XM class). OEM Ixia load-module naming uses LMOC48 for OC-48 packet/SONET traffic generation and analysis; 311 isaport/config suffix. Ixia OC-48 modules generate and analyze POS/ATM/SONET traffic for router and switch throughput tests. OC-48 POS/SONET traffic generation and analysis in Ixia network test beds. Operating Temperature Class: Ixia chassis Literature: Ixia LMOC48311 / LMOC48 listings OC-48 POS/SONET traffic generation and analysis in Ixia network test beds. Operating Temperature Class: Ixia chassis Literature: Ixia LMOC48311 / LMOC48 listings Documentation Type: OEM Ixia load-module catalog



MODEL

Ixia LMOC48311

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

LMOC48311

LISTING

<https://aumictechlabs.com/products/lmoc48311-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ixia LMOC48311 is a single-port Bit Error Ratio Tester (BERT) module designed for optical network validation and performance analysis. Operating at 1310nm wavelength over singlemode fiber, this intermediate-reach module integrates into Ixia chassis platforms for rigorous network device testing, service assurance, and traffic generation workflows. As part of the Keysight-integrated Ixia ecosystem, it supports protocol testing and complex traffic pattern analysis across demanding validation scenarios. Technical Specifications Module Type: BERT (Bit Error Ratio Tester) Port Configuration: 1-Port Optical Type: Intermediate Reach Wavelength: 1310nm Fiber

Type: Singlemode Optical Interface: Singlemode fiber at 1310nm wavelength

Key Features

- Single-port architecture optimized for dedicated link testing
- Intermediate-reach capability for extended fiber spans
- 1310nm wavelength operation for singlemode fiber deployments
- Integration with Ixia chassis platforms and IxExplorer software control interface
- Support for customized traffic pattern generation and protocol emulation

Typical Applications

- Network device validation and performance characterization
- Service assurance and integrity verification
- Bit error rate measurement and signal quality analysis
- Protocol compliance and interoperability testing
- Real-world network condition simulation through controlled traffic patterns

Compatibility & Integration

The LMOC48311 operates within Ixia chassis platforms and leverages IxExplorer software for configuration, control, and monitoring. It integrates with the broader Keysight visibility ecosystem, including network taps, virtual cloud taps, and network packet brokers for comprehensive test automation and analysis workflows.

LMOC48311 Characteristics / Specifications

PARAMETER	VALUE
Model	LMOC48311
Instrument Type	OC-48 load module
Family	Ixia LMOC48
Line Rate Class	OC-48 2.488 Gb/s
Host	Ixia Optixia / XM chassis class
Manufacturer	Ixia / Keysight
Use Case	SONET/SDH/POS traffic test
Form Factor	Ixia load module
Operating Temperature Class	Ixia chassis
Literature	Ixia LMOC48311 / LMOC48 listings
Ports	OC-48 optical ports class
Control	IxExplorer / IxNetwork
Documentation Type	OEM Ixia load-module catalog
Brand Lineage	Ixia Keysight
System Role	OC-48 traffic engine
Optics	OC-48 SFP/optics class per module
Framing	SONET/SDH POS class
Statistics	Ixia stream stats
Power	from Ixia chassis
Revision	311 configuration suffix
Calibration Source	OEM published specifications
Export Class	commercial test equipment
Operating temperature	Class: Ixia chassis

LMOC48311 Specifications

PARAMETER	VALUE
Applications	OC-48 POS/SONET traffic generation and analysis in Ixia network test beds.
Key Features	OC-48 2.488 Gb/s class load module
Technical Specifications	Model: LMOC48311

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Ixia chassis
Operating Temperature	Class: Ixia chassis
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Literature	Ixia LMOC48311 / LMOC48 listings
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Power	from Ixia chassis
Revision	311 configuration suffix
Calibration Source	OEM published specifications
Export Class	commercial test equipment Notes From Ixia LMOC48311 OC-48 load-module catalog identity in the LMOC48 family. Port count, optics, and RFC 2544 options are on the LMOC48 data sheet for the 311 configuration.

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	
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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>

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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.