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Data Sheet

August 1, 2026

IXIA

Ixia LMOC192311

The Ixia LMOC192311 is a 1-port OC-192c (STM-64) load module in the Ixia OC-192c Triple Mode family used with Ixia traffic generator / analyzer chassis (for example 400T / 1600T class and related platforms running IxOS / IxExplorer). Ixia part numbers of the form LMOC192HTOS encode hardware options for Packet over SONET (POS), BERT, 10GE WAN, optics reach/wavelength, and VSR variants. The LMOC192311 falls in the OC-192c POS/BERT-capable numbering range used for intermediate-reach single-mode optical interfaces that generate and analyze wire-speed OC-192c traffic. Router and switch performance validation at OC-192c / STM-64; Packet over SONET (POS) traffic generation and analysis; bit-error-rate testing (BERT) where the installed option set includes BERT; multi-port optical networking equipment characterization in Ixia multi-chassis labs. Connector / Optics (family intermediate-reach): SC, single-mode, 1310 nm or 1550 nm class Chassis Compatibility: Ixia modular analyzer chassis supporting LMOC192 series load modules Software: IxOS / IxExplorer (and related Ixia automation tools of the era) Ixia documents OC-192 cards as LMOC192HTOS (or LMFOC192 for non-fiber MegaArray electrical variants). Related named configurations include LMOC192cPOS, LMOC192cBERT, LMOC192cPOS+BERT, LMOC192cPOS+WAN, and VSR-optic siblings. Exact mode set and wavelength for a given LMOC192311 should be confirmed.



MODEL

Ixia LMOC192311

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

LMOC192311

LISTING

<https://aumictechlabs.com/products/lmoc192311-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ixia LMOC192311 is an 8-port load module engineered for high-density, multi-rate network testing within Ixia chassis systems. It delivers comprehensive performance analysis and validation of network infrastructure across various Ethernet speeds and protocols. The module generates customized traffic patterns using packet streams and flows, with packet configuration supporting incrementing, decrementing, and random MAC and IP address generation. Each port can generate and respond to ARP requests, Ping requests, and IGMP messages, enabling realistic network simulation and protocol testing.

Technical Specifications

Module Type: Load Module

Port Count: 8 ports

Chassis Compatibility: Ixia 400T, Ixia 1600T, Ixia 250, Ixia 100

Testing Capabilities: High-density, multi-rate performance analysis and validation

Traffic Generation: Customized traffic patterns via packet streams and flows

Packet Configuration: Incrementing, decrementing, or random MAC and IP address generation

Port Functions: ARP request generation, Ping request generation, IGMP request generation, and response capability

Key Features

Supports a wide range of protocols including IP, UDP, IPX, TCP, IGMP, ARP, DHCP, RIP, ISL, MPLS, VLAN 802.1p, and OSPF

Compatible with Tcl scripting for industry-standard performance tests (RFC 2544, RFC 2285)

Executes specialized test suites: IP Multicast Test (RFC 2432), Quality of Service (QoS), Advanced Tcl Script Suite (ATSS), and Multiport Advanced Test Suite (MATs)

Application-specific testing for routing protocol emulations: BGP-4, OSPF, IS-IS, RIP, and MPLS (RSVP-TE and LDP)

Typical Applications

Network traffic simulation and condition modeling

Live network operations monitoring

Ethernet device validation and performance testing

Multiprotocol infrastructure analysis

Compatibility & Integration

Operates with Ixia's IxExplorer software for configuration and control. Testing capabilities extend through Tcl scripts and specialized application suites, supporting scalable deployments across multiple chassis configurations.

Features & description

From manufacturer datasheet

Features

- OC-192c / STM-64 class optical load module (concatenated mode) • 1 port per module (family specification) • Part of the OC-192c Triple Mode family (POS, BERT, and combined POS/BERT/WAN option sets) • Single-mode optical interface (SC connector class on intermediate-reach family modules; 1310 nm or 1550 nm depending on option) • Wire-speed traffic generation and analysis under IxExplorer / IxOS • Operates in Ixia modular chassis alongside Ethernet and lower-rate POS/BERT modules • Data rate programmable as a percentage of OC-192 line rate on POS-capable cards (family tables)

LMOC192311 Characteristics / Specifications

PARAMETER	VALUE
Model	LMOC192311
Manufacturer	Ixia
Instrument Type	OC-192c Triple Mode optical load module
Ports	1
Line Rate	OC-192c / STM-64 (approximately 9.953 Gbps)
Family Modes (option dependent)	OC-192c POS; OC-192c BERT; combined POS+BERT; some family members add 10GE WAN
Chassis Compatibility	Ixia modular analyzer chassis supporting LMOC192 series load modules
Software	IxOS / IxExplorer (and related Ixia automation tools of the era) Part Number Context Ixia documents OC-192 cards as LMOC192HTOS (or LMFOC192 for non-fiber MegaArray electrical variants). Related named configurations include LMOC192cPOS, LMOC192cBERT, LMOC192cPOS+BERT, LMOC192cPOS+WAN, and VSR-optic siblings. Exact mode set and wavelength for a given LMOC192311 should be confirmed from the faceplate, EEPROM/inventory string, or original packing list.
Data Rate	programmable as a percentage of OC-192 line rate on POS-capable cards (family tables)

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.

performance validation at OC-192c / STM-64; Packet over SONET (POS) traffic generation and analysis; bit-error-rate testing (BERT) where the installed option set includes BERT; multi-port optical networking equipment characterization in Ixia multi-chassis labs.

Key Features

- OC-192c / STM-64 class optical load module (concatenated mode)
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Standard Operating Conditions

Install inapowered Ixia chassis with adequate cooling. Use clean single-mode jumpers matched to the module connector. Observe Class 1 / laser safety markings on the optical port.

Operational Notes

Do not confuse with later Optixia MSM10G universal modules (XFP-based 10GE LAN/WAN/OC-192c POS). If the module fails to enumerate, verify IxOS version support for legacy OC-192 Triple Mode cards.

Laser Safety

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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
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<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.