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Data Sheet

August 14, 2026

EXFO

EXFO RTU-310 IP Services Test Head

The EXFO RTU-310 IP Services Test Head is a remote testing unit designed for comprehensive IP network service validation. It allows for thorough assessment of network performance, including bandwidth, latency, and quality of service (QoS). Ideal for service providers and network administrators needing to ensure optimal network operation and troubleshoot issues remotely.



MODEL

Exfo RTU-310

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

RTU-310

LISTING

<https://aumictechlabs.com/products/rtu-310-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO RTU-310 IP Services Test Head is a remote testing unit for validating IP network services and performance metrics across Ethernet infrastructures. It operates at testing rates up to 1 GbE and provides Layer 2 and Layer 3 loopback functionality, RFC 2544 compliance measurements, and advanced QoS monitoring. The unit enables centralized network validation from remote locations, supporting bandwidth assessment, latency measurement, and frame loss analysis across single and multiple traffic streams. The RTU-310 has reached end-of-service as of June 30, 2021. Technical Specifications Testing Capacity Maximum testing rate: 1 GbE RFC 2544 measurement capability: 30 Mbit/s (remote to local), 70 Mbit/s (local to remote) Electrical Interfaces 10/100/1000 Base-T via RJ-45 port Two RJ-45 management interfaces Reference out and clock out interfaces Optical Interfaces 100Base-FX and 1000Base-X via SFP interface Supported wavelength configurations: 100Base-LX, 1000Base-SX, 1000Base-LX, 1000Base-ZX

for LAN-to-LAN services Key Features Layer 2 and Layer 3 Loopback Supports single-ended testing scenarios with bidirectional measurement capability. RFC 2544 Compliance Throughput, back-to-back frames, latency, and frame loss measurements with bidirectional testing. QoS Monitoring and Stream Analysis Configurable traffic filters: up to 10 filters, each with four operands Traffic stream configuration: up to 10 streams with distinct Ethernet and IP QoS parameters Supported QoS parameters: VLAN ID (802.1Q), VLAN Priority (802.1p), VLAN stacking (802.1ad Q-in-Q), ToS, and DSCP Selectable stream profiles for VoIP, video, and data services Simultaneous per-stream measurements: throughput, latency, frame loss, and packet jitter (RFC 3393) TCP Throughput Testing Operates as remote TCP server for maximum window size and throughput analysis. EtherSAM (ITU-T Y.1564) Full service turn-up and troubleshooting capability for Carrier Ethernet services. Fibre Channel Testing Supported for storage network environments. Typical Applications Service provider network validation and acceptance testing Network administrator remote troubleshooting and performance assessment Carrier Ethernet service turn-up and verification Multi-stream QoS validation across diverse traffic classes TCP throughput characterization in WAN environments

RTU310 Characteristics / Specifications

PARAMETER	VALUE
Form Factor	1U rack-mount
Size HxWxD	44 mm x 427 mm x 330 mm
Weight	5.56 kg
Power Consumption	70 W
Power Options	AC 110/220 V or DC minus 48 V class
LAN Craft Ports	RJ45 10/100 Mbit/s
Electrical Test Interfaces Class	10/100/1000Base-T
Optical Test Interfaces Class	100/1000 Mbit/s SFP
RFC 2544 Measurements	throughput back-to-back frame loss latency
EtherSAM Support	ITU-T Y.1564
BERT Patterns Class	PRBS 2E9-1 through 2E31-1 and user patterns
Multistream Count Class	up to 10 streams
Packet Jitter Method	RFC 3393
Optical Power Measurement Display	dBm
Operating Temperature Class	CO rack environment per datasheet
Remote Access	VNC EX-Vu class
Simultaneous EX Vu Sessions Class	up to 5
Transceiver Form Factor Optical	SFP LC
Laser Safety Optical SFPs Class	Class 1
Operating temperature	Class: CO rack environment per datasheet

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: CO rack environment per datasheet
Operating Temperature	Class: CO rack environment per datasheet
Operating Temperature Class	CO rack environment per datasheet
Remote Access	VNC EX-Vu class
Simultaneous EX Vu Sessions Class	up to 5
Transceiver Form Factor Optical	SFP LC
Laser Safety Optical SFPs Class	Class 1 Notes From EXFO RTU-310 IP Services Test Head datasheet reprints and RTU-310/310G literature. Exact port count and software keys (100optical EtherSAM IPTV FC) vary by ordered configuration; RTU-310G adds 10 GbE XFP class optics.

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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EtherSAM Support	ITU-T Y.1564
BERT Patterns Class	PRBS 2E9-1 through 2E31-1 and user patterns
Multistream Count Class	up to 10 streams
Packet Jitter Method	RFC 3393
Optical Power Measurement Display	dBm
Operating Temperature Class	C0 rack environment per datasheet
Remote Access	VNC EX-Vu class
Simultaneous EX Vu Sessions Class	up to 5
Optional Fibre Channel: 1x and 2x class	
Optional IPTV Streams Class: up to 10 or 100	
Transceiver Form Factor Optical: SFP LC	
Laser Safety Optical SFPs Class: Class 1	
Notes	
From EXF0 RTU-310 IP Services Test Head datasheet reprints and RTU-310/310G literature. Exact port count and software keys (100optical EtherSAM IPTV FC) vary by ordered configuration; RTU-310G adds 10 GbE XFP class optics.	

Laser Safety

Laser Safety Optical SFPs Class: Class 1 Notes From EXFO RTU-310 IP Services Test Head datasheet reprints and RTU-310/310G literature. Exact port count and software keys (100optical EtherSAM IPTV FC) vary by ordered configuration; RTU-310G adds 10 GbE XFP class optics.

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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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.