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Data Sheet

August 14, 2026

EXFO

EXFO RTU-310G IP Services Test Head

Exfo RTU-310G 10 Gigabit Ethernet IP Services Test Head The EXFO RTU-310G is a carrier-grade 1U rack-mounted IP Services Test Head for 10 Gigabit Ethernet LAN/WAN performance assurance, functionally equivalent to the FTB-8510G Packet Blazer. OEM SPRTU310G lists XFP 10 Gbit/s optical test interface, full-line-rate generation/analysis, EtherSAM ITU-T Y.1564 and RFC 2544 suites, size 44 mm x 427 mm x 330 mm, weight 5.56 kg, and 70 W power consumption. Central-office 10 GbE service turn-up and SLA validation, bidirectional EtherSAM dual-test-set from a rack head, Carrier Ethernet MPLS/PBB-TE qualification, and remote EX-Vu or VNC-controlled Ethernet troubleshooting. The EXFO RTU-310G is a carrier-grade 1U rack-mounted IP Services Test Head for 10 Gigabit Ethernet LAN/WAN performance assurance, functionally equivalent to the FTB-8510G Packet Blazer. OEM SPRTU310G lists XFP 10 Gbit/s optical test interface, full-line-rate generation/analysis, EtherSAM ITU-T Y.1564 and RFC 2544 suites, size 44 mm x 427 mm x 330 mm, weight 5.56 kg, and 70 W power consumption. Central-office 10 GbE service turn-up and SLA validation, bidirectional EtherSAM dual-test-set from a rack head, Carrier Ethernet MPLS/PBB-TE qualification, and remote EX-Vu or VNC-controlled Ethernet troubleshooting.



MODEL

Exfo RTU-310G

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

RTU-310G

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The EXFO RTU-310G IP Services Test Head is a carrier-grade, rack-mountable test device for performance assurance of 10 Gigabit Ethernet services. It delivers comprehensive service turn-up, troubleshooting, and SLA validation capabilities in central office environments. The unit controls remote test modules over the tested LAN connection, enabling bidirectional results and end-to-end Ethernet service qualification with Smart Loopback functionality for single-ended testing scenarios. Technical Specifications Ethernet Interfaces 10 GbE via optical XFP interface Supports 10GBASE-xR or 10GBASE-xW for LAN-to-LAN services Qualified for SONET/SDH, hybrid multiplexers, dark fiber, and xWDM networks operating at 10 Gigabit Ethernet Management & Synchronization Two RJ-45 management interfaces with DHCP and fixed IP addressing Craft port for local laptop connectivity Reference out and clock out interface Performance Testing RFC 2544 suite for 10 GbE at all frame sizes and full line rate with automated pass/fail indication ITU-T Y.1564 EtherSAM for service activation and performance validation Throughput, back-to-back, latency, and frame loss measurements at wire speed Packet jitter analysis per RFC 3393 True wire-speed stateful TCP throughput testing Full line-rate BERT capability Quality of Service Ten simultaneous configurable streams with independent Ethernet and IP QoS parameters VLAN ID, VLAN Priority, VLAN stacking, ToS, and DSCP differentiation Dedicated VoIP, video, and data stream profiles Per-stream measurement of throughput, latency, frame loss, and jitter Loopback & Analysis Smart Loopback with Layer 2 and Layer 3 swap capabilities Simultaneous loopback of up to ten 1 GbE test patterns 10 Gbps full-line-rate capture and decode Capture filters and triggers for targeted analysis VLAN/VLAN Priority auto-discovery via Traffic Scan Key Features Multistream generation and analysis for complex service environments Bidirectional testing via remote unit control over tested connection Flexible integration with EXFO portable test modules for accelerated deployment Typical Applications Service provider turn-up and acceptance testing SLA compliance validation and troubleshooting network interface qualification Ethernet service performance assurance Compatibility & Integration Integrates with EXFO portable test modules for end-to-end Ethernet service validation in hybrid and network environments.

RTU310G Characteristics / Specifications

PARAMETER	VALUE
Optical Test Interface	XFP 10 Gbit/s LAN/WAN
Connector Type Optical	LC
Optics Options Class	850 nm SR/SW 1310 nm LR/LW 1550 nm ER/EW
Port Capacity	full-line-rate traffic generation and analysis
LAN Port Management	RJ-45 10/100 Mbit/s
Craft Port	RJ-45 10/100 Mbit/s
USB Ports	four
Serial Port	RS-232 DB-9
Video Port	VGA
Size HxWxD	44 mm x 427 mm x 330 mm
Weight	5.56 kg
Operating Temperature	0 C to 50 C
Storage Temperature	minus 40 C to 60 C
Power AC	110/220 V class 100-240 VAC
Power DC	minus 48 V dual DC feed
Power Consumption	70 W
Frequency Offset Measurement Range	plus or minus 120 ppm
Frequency Offset Measurement Resolution	plus or minus 1 ppm
Frequency Offset Measurement Accuracy	plus or minus 4.6 ppm
Frequency Offset Generation Range	plus or minus 150 ppm
Multistream Count	up to 10 streams
Certifications	NEBS Level 1 CE CSA UL WEEE RoHS
Remote Control	EX-Vu or VNC
Ethernet Test Standards	RFC 1242 RFC 2544 RFC 3393 EtherBERT EtherSAM

RTU310G Specifications

PARAMETER	VALUE
Key Features	10G LAN and/or WAN PHY in one XFP port
Smart Loopback and dual test set	NEBS Level 1 certified rack chassis
Technical Specifications	Optical Test Interface: XFP 10 Gbit/s LAN/WAN

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 C to 60 C
Operating temperature	0 C to 50 C
Operating Temperature	0 C to 50 C
Power AC	110/220 V class 100-240 VAC
Power DC	minus 48 V dual DC feed
Power Consumption	70 W
Frequency Offset Measurement Range	plus or minus 120 ppm
Frequency Offset Measurement Resolution	plus or minus 1 ppm
Frequency Offset Measurement Accuracy	plus or minus 4.6 ppm
Frequency Offset Generation Range	plus or minus 150 ppm
Multistream Count	up to 10 streams
Certifications	NEBS Level 1 CE CSA UL WEEE RoHS
Remote Control	EX-Vu or VNC
Ethernet Test Standards	RFC 1242 RFC 2544 RFC 3393 EtherBERT EtherSAM Notes From EXFO RTU-310G IP Services Test Head datasheet SPRTU310G.12AN. Confirm LAN versus WAN versus LAN/WAN ordering code and installed XFP optics on the faceplate.

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 assurance, functionally equivalent to the FTB-8510G Packet Blazer. OEM SPRTU310G lists XFP 10 Gbit/s optical test interface, full-line-rate generation/analysis, EtherSAM ITU-T Y.1564 and RFC 2544 suites, size 44 mm x 427 mm x 330 mm, weight 5.56 kg, and 70 W power consumption.

Applications

Central-office 10 GbE service turn-up and SLA validation, bidirectional EtherSAM dual-test-set from rack head, Carrier Ethernet MPLS/PBB-TE qualification, and remote EX-Vu or VNC-controlled Ethernet troubleshooting.

Key Features

- 10G LAN and/or WAN PHY in one XFP port
- EtherSAM ITU-T Y.1564 and RFC 2544 suites
- Up to ten simultaneous traffic streams
- Smart Loopback and dual test set
- NEBS Level 1 certified rack chassis

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Optical Test Interface	XFP 10 Gbit/s LAN/WAN
Connector Type Optical	LC
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PARAMETER	VALUE
Frequency Offset Generation Range	plus or minus 150 ppm
Multistream Count	up to 10 streams
Certifications	NEBS Level 1 CE CSA UL WEEE RoHS
Remote Control	EX-Vu or VNC
Ethernet Test Standards	RFC 1242 RFC 2544 RFC 3393 EtherBERT EtherSAM

Notes
From EXFO RTU-310G IP Services Test Head datasheet SPRTU310G.12AN. Confirm LAN versus WAN versus LAN/WAN ordering code and installed XFP optics on the faceplate.

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.