

RTU-600x

Advanced 100G Test Module

Available in stand-alone or combined with other modules, the RTU-600x hardware option for the RTU-300 standalone platform offers a full-featured centralized test solution for Ethernet links and services testing — from 10 Mbps and 100 Gbps. This low-cost factory-installed hardware option allow flexibility to fit any modern Core, Metro, NOC, PoP, mobile backhaul, and datacenter applications.



MODULE HIGHLIGHTS

The RTU-600x module, with the latest technology in pluggable physical interfaces, is a complete Ethernet test set on its own and a perfect complement to the RTU-300 Platform, extending its testing range to 100 Gbps. Compatibility with the companion RTU-320 option offers a complete 64k to 100G test solution in a compact 1RU 19" rack package. Installation, commissioning, monitoring and maintenance of Ethernet networks is simplified thanks to a combination of intuitive features and powerful test functions. Fast troubleshooting and comprehensive analysis of transmission problems can be performed using its common graphical user interface. Novice users benefit from the easy-to-use GUI, while experienced users will appreciate an array of advanced features such as Lane BERT, Service Disruption, Protocol Capture/Decode, BERT, Throughput test, and much more.

General

- QSFP28/QSFP+, SFP28/SFP+ and RJ45 test ports
- 10 Mbps to 100GE testing in one module
- Can be combined with an RTU-320 module1
- Soft LED indicators

Ethernet

- 10 Mbps to 100 Gbps Ethernet testing
- Supports IEEE 802.3bj Clause 91 RS-FEC2
- Optical Lane BERT and CAUI-4/XLAUI Lane BERT2
- PCS Layer Testing with Skew generation/monitoring2
- Multi-stream testing up to 32 independent streams2
- IEEE 802.3ah, ITU-T Y.1731, IEEE 802.1ag, MPLS-TP OAM support
- Q in Q (VLAN stacking), MPLS, MPLS-TP, PBB, EoE support2
- MAC flooding
- RFC2544 and V-SAM (Y.1564) testing
- V-PERF (stateful TCP performance testing) from 1GE to 100GE2
- V-Test (Internet speed testing) and V-FTP (FTP Performance testing2)
- Service Disruption Measurements
- IPv4 and IPv6 traffic generation
- Layer 2 Control Protocol Testing
- Throughput testing at Layer 2 and Layer 3
- Line rate packet capture with Wireshark™ decode2

Fibre Channel

- 1G to 32G Layer FC-1 and FC-2 Throughput Testing
- RFC2544
- Fabric port login: FLOGI/PLOGI

OTN

- OTU4 Testing with Bulk and 100GE Ethernet Payloads
- 100GE Throughput and RFC2544
- Overhead generation and analysis