

Xena2889

Standalone RFC2889 application



Key Features

Create, edit and execute test configurations using Xena test equipment in accordance with RFC 2889

Configure and enable many of the test-types defined in RFC 2889

Supports Layer 2-3 testing and either IPv4 or IPv6

Flexibly define protocol layers (Ethernet, VLANs, IP, UDP, etc.)

Assign separate protocol layer definitions to each test port

Extensive configuration options to fine-tune the tests

Xena2889 is a free and easy-to-use standalone app that lets you benchmark the data plane performance of layer 2 LAN switching devices according to RFC 2889.

It supports these RFC 2889 test types:

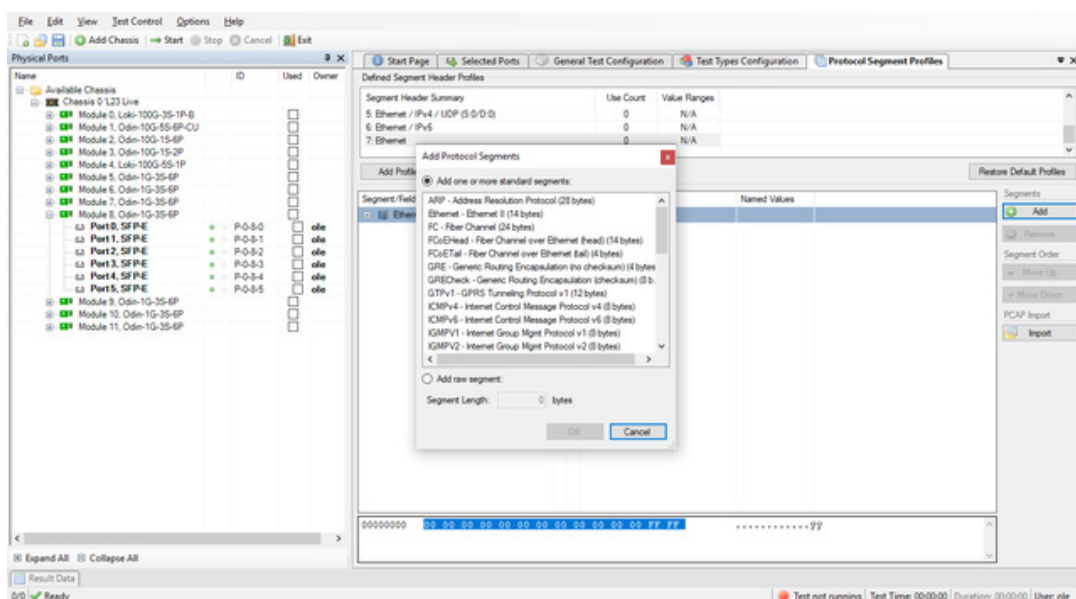
- All Throughput and Forwarding rate tests (both Fully and Partially meshed)
- Congestion Control
- Address Caching Capacity
- Address Learning Rate
- Broadcast Frame Forwarding and Latency
- Forward Pressure and Maximum Forwarding Rate

Xena2889 also supports Errored Frames Filtering (with the exception of the “Dribble Bit Errors” and “Alignment Errors” tests).

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Partially Meshed Test determines the maximum throughput of the DUT by sending frames from multiple transmit ports to multiple receive ports in a mesh fashion, where the transmit ports do not receive and the receive ports do not transmit. Results include throughput per frame size.



| SPECIFICATIONS | |
|-------------------------------|---|
| Key Tests | <p>Fully supported:</p> <ul style="list-style-type: none">• All Throughput and Forwarding rate tests (both Fully and Partially meshed)• Congestion Control• Forward Pressure and Maximum Forwarding Rate• Address Caching Capacity• Address Learning Rate• Broadcast Frame Forwarding and Latency <p>Partially supported:</p> <ul style="list-style-type: none">• Errored Frames Filtering: Supported with the exception of the “Dribble Bit Errors” and “Alignment Errors” tests. |
| Traffic Control | <ul style="list-style-type: none">• Ethernet, VLAN, and Q-in-Q support• Automatic learning packets• Custom field setting for supported protocols |
| Test Topologies | <ul style="list-style-type: none">• Multiple XenaBay and XenaCompact chassis• Flexible topology definition using Mesh, Blocks or Pairs concept to define any network traffic topology• Uni-directional or Bi-directional testing |
| Reporting | <ul style="list-style-type: none">• Printable summary reports• Export of results in PDF or .XML format |
| Supported Modules & Platforms | All Xena testers and all port speeds (10/100/1000M, 10G, 40G, and 100G) |

Ordering Information

Product Description

Xena2889 Standalone RFC2889 application

Product Code

Xena2889



Local sales offices are located throughout the world. Visit our website to find the most convenient location.

1-800-5-LeCroy • teledynelecroy.com



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