



Qx Series Advanced Toolset Option

10G/25G Packet Capture (PCAP) Tool

[PHQXO-IP-PCAP [10G], PHQXLO-IP-PCAP [10G/25G], PHQXP-IP-PCAP [10G/25G]]

Overview

This Packet Capture (PCAP) tool provides a flexible range of options for your capture of the live IP traffic on either a single or both Media interfaces while in ST 2110 Mode. The PCAP data is then saved to USB memory stick for offline analysis using thirdparty network analysis tools.

The PCAP data is saved to a FAT32 or exFAT formatted USB memory stick and can be transferred remotely, by browser, for offline analysis using third-party network analysis tools to investigate any issues.

You can analyze the downloaded PCAP file to assist with:

- Monitoring network traffic
- Identification of network setup and performance issues
- Identification of network security vulnerabilities.

Key Features QxL, QxP (Qx)

- **Full Line-rate: Capture at 25Gbps on a single SFP interface, including back-to-back packets (10Gbps for Qx)**
- **2022-7: Capture both SFPs simultaneously - 50Gbps aggregate on the QxL/QxP (20Gbps for Qx)**
- **User Defined Packet Capture Size, including Full packet payload or Header data only**
- **Manual Start-Stop, Auto Start-Stop at specified time, Capture Start Delay**
- **User Controls for Auto Stop: Number of packets, File size, Duration**
- **Saves to USB Stick and then FTP or Browser File transfer off the unit**
- **4GB PCAP max. file size on QxL/QxP (1GB for Qx)**

PCAP Capture

The screenshot shows the PCAP Capture configuration window. On the left, 'PCAP Parameters' includes settings for Capture Interface (SFP E), Packets To Capture (No Limit), Max File Size (100KB), Max Capture Time (No Limit), Packet Capture Size (1518), Time Reference (PTP), Capture Filename (pcap.pcapng), Filename Append Date Time (Enabled), File Location (sda1), and Capture Start Delay (No Delay). On the right, 'PCAP Recording Progress Statistics' shows a table for SFP E and SFP F with metrics for Packet Count, Drop Count, Capture Start Time, File Size, and Capture Period. At the bottom right, 'PCAP Recording Controls' includes buttons for Start (circle), Stop (square), and Cancel (X), along with a Close button.

Available for:

- Qx Rasterizer
- QxL Rasterizer
- QxP Waveform Monitor

Order codes:

[Qx] PHQXO-IP-PCAP - PCAP 2x10Gbps line rate capture tool, 1GB max. (requires PHQXO-IP-STND)

[QxL] PHQXLO-IP-PCAP - PCAP 2x25Gbps line rate capture tool, 4GB max

[QxP] PHQXPO-IP-PCAP - PCAP 2x25Gbps line rate capture tool, 4GB max