PacketScanPX™– Wirespeed Capture and Filter Analysis

April 10, 2026

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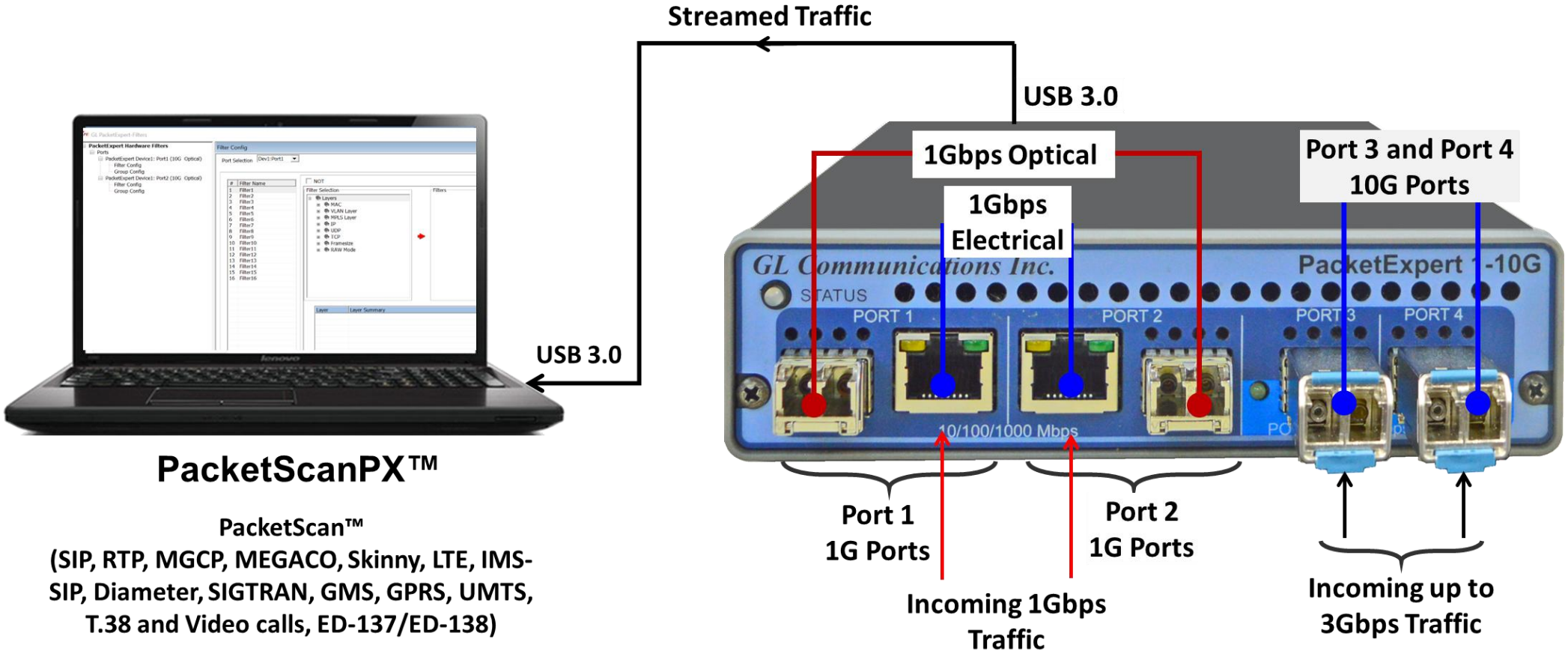
PacketScanPX™



PacketScanPX™

PacketScan™
(SIP, RTP, MGCP, MEGACO, Skinny, LTE, IMS-SIP, Diameter, SIGTRAN, GMS, GPRS, UMTS, T.38 and Video calls, ED-137/ED-138)

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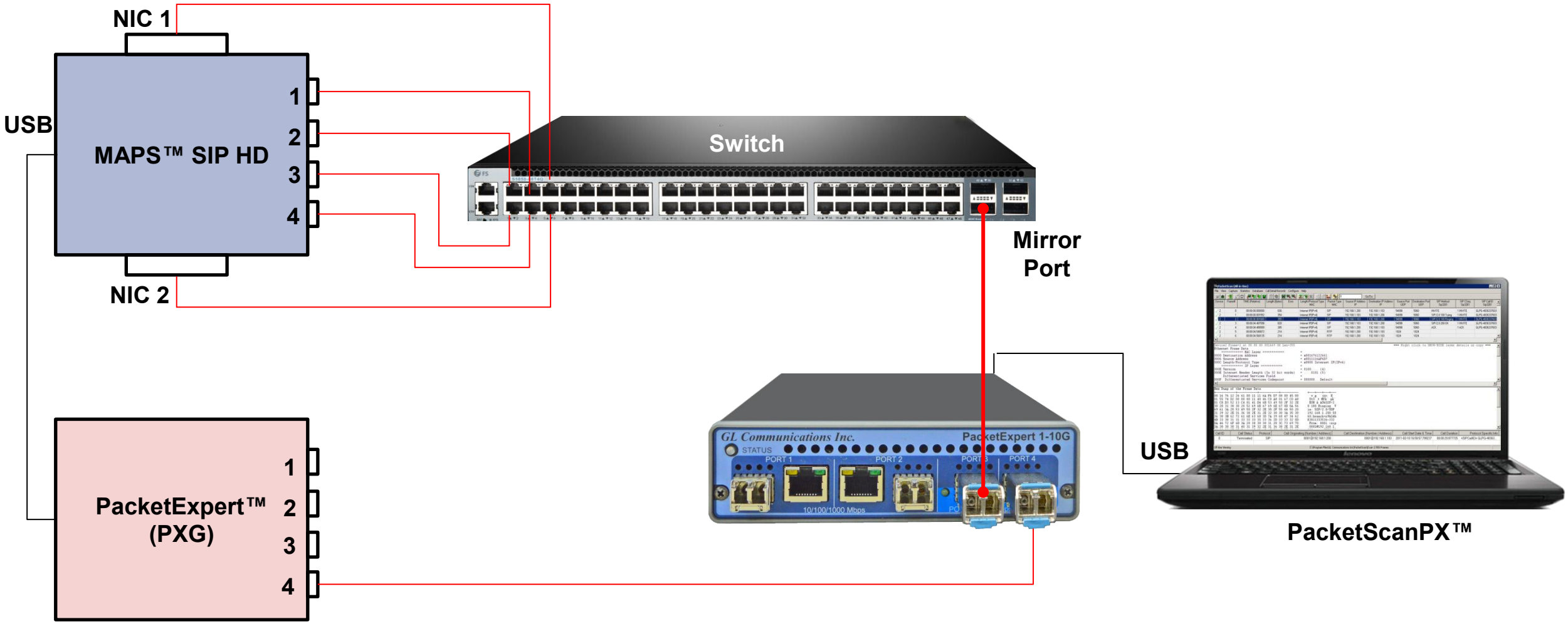
Main Features

- Combines PacketExpert™ hardware-assisted wirespeed capture with PacketScan™ deep protocol analysis in a single integrated application
- Supports hardware-assisted capture up to 3 Gbps wirespeed
- Enables selective capture using hardware-level filtering (up to 16 filters per port)
- Provides nanosecond-level hardware timestamping for accurate delay, jitter, and call-flow timing analysis
- Performs deep packet inspection across VoIP, SIP, IMS, LTE, 5G, SIGTRAN, and IP networks
- Displays call ladder diagrams and session-level correlation for faster troubleshooting
- Generates KPIs such as call success rate, setup time, packet loss, latency, jitter, and MOS
- Supports filter-based capture using MAC, IP, VLAN, MPLS, TCP/UDP ports, and protocol fields
- Reduces packet loss during capture using hardware-assisted selective filtering
- Enables portable high-speed capture and protocol analysis for lab and field deployments

PacketScanPX™ Lab Setup



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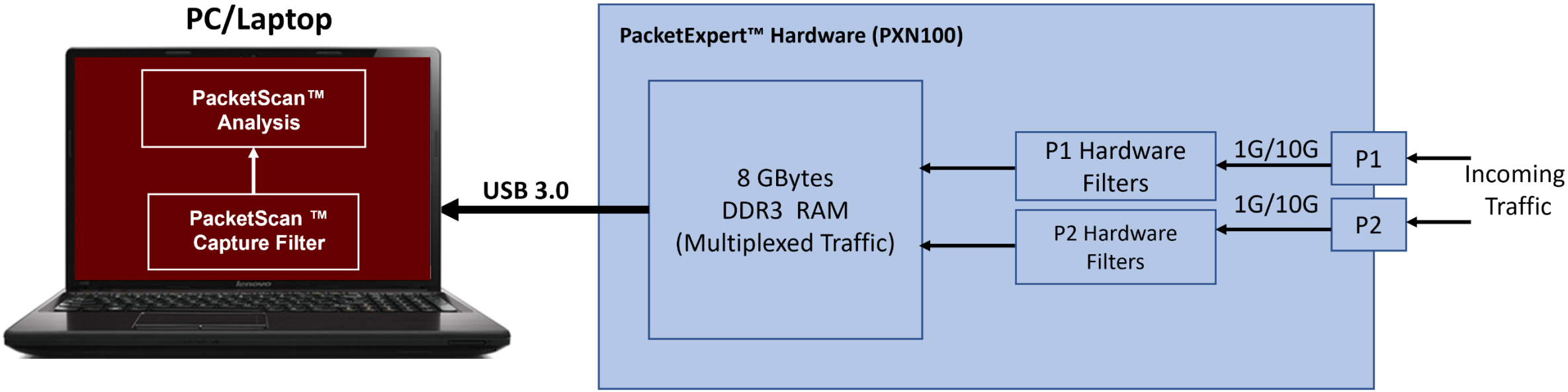
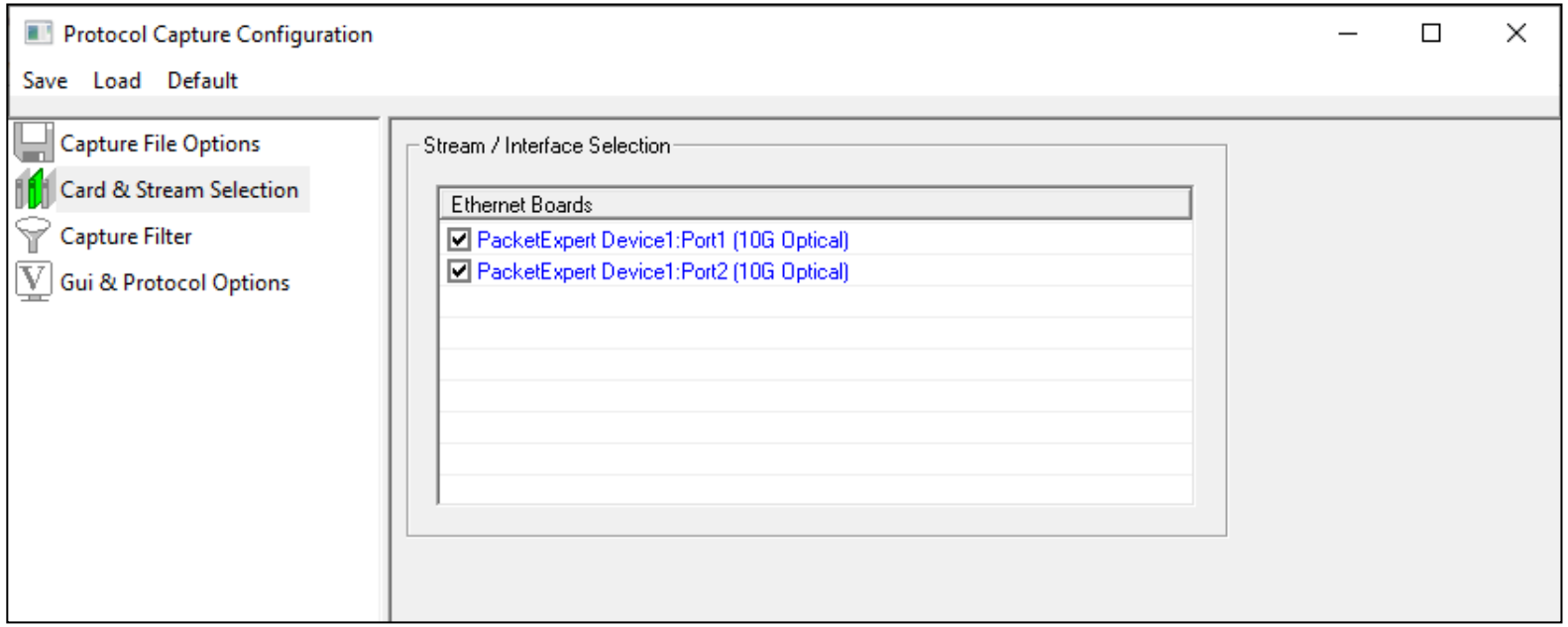
PacketScanPX™- Licenses

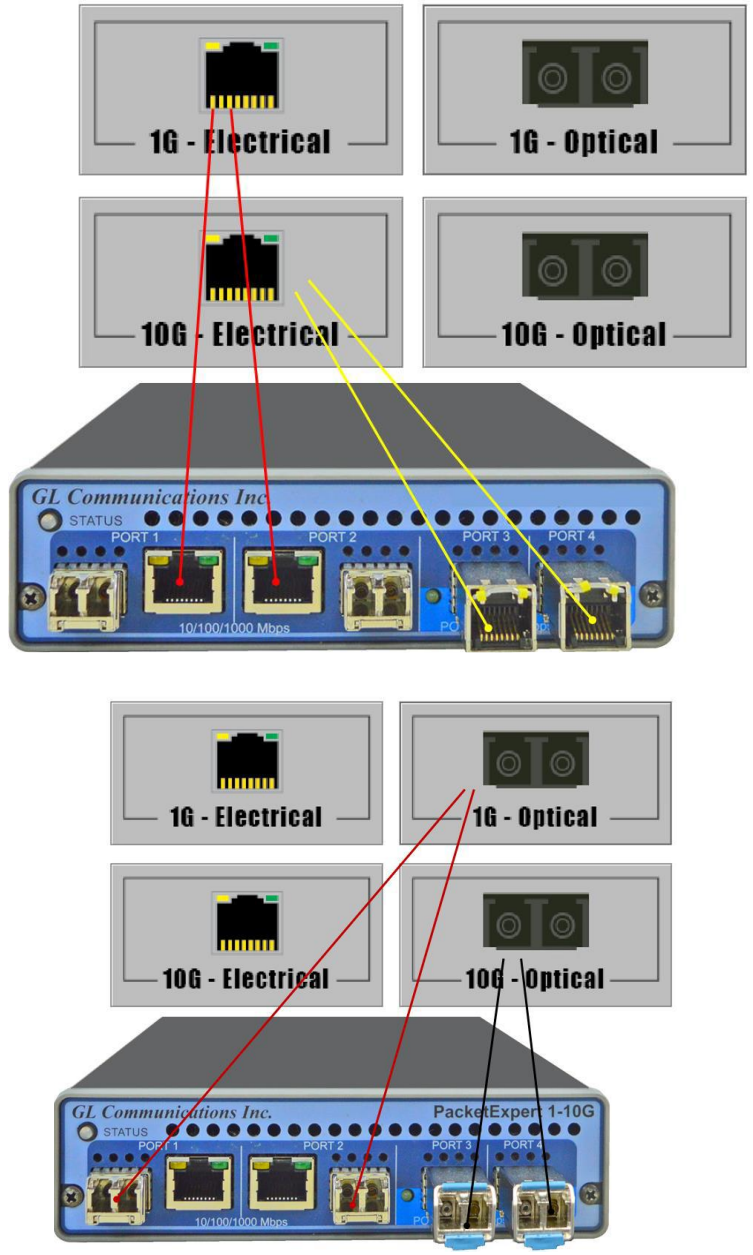
- PKV100 - PacketScan™ (Online and Offline)
  - ➢ Other PacketScan™ feature specific optional licenses are applicable
- PXN100 - PacketExpert™ 10GX (warranty only)
- PXN101 - 10G option for PXN100 (license + warranty)
- PXN105 - Wirespeed Record / Playback (license + warranty)

PacketScanPX™- General Architecture



PacketScanPX™- Capture Interfaces





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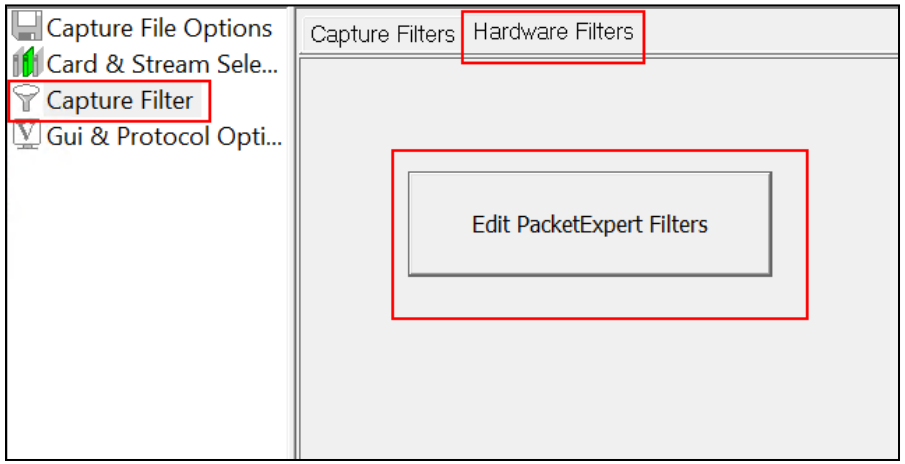
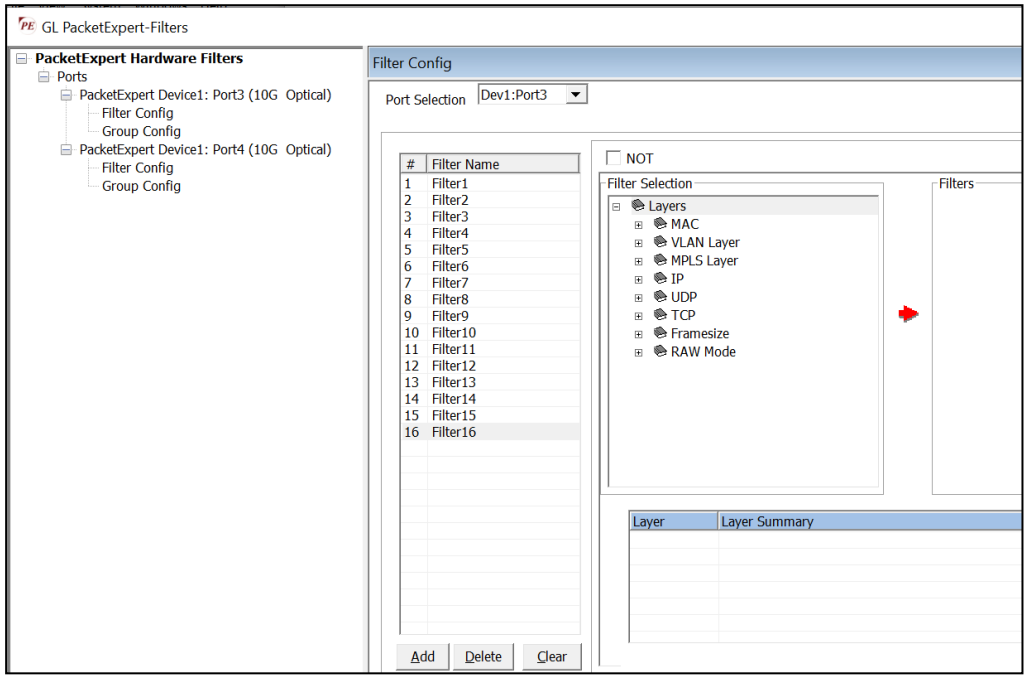
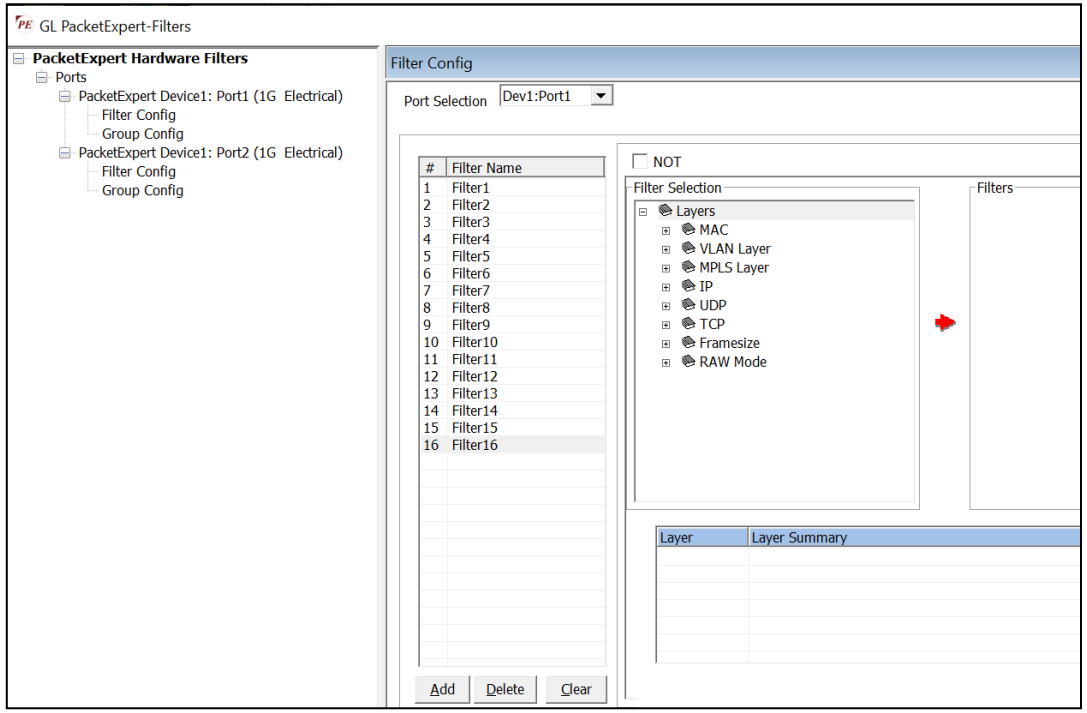
PacketScanPX™- Hardware Filters



For 10G Optical Ports



For 1G Electrical Ports



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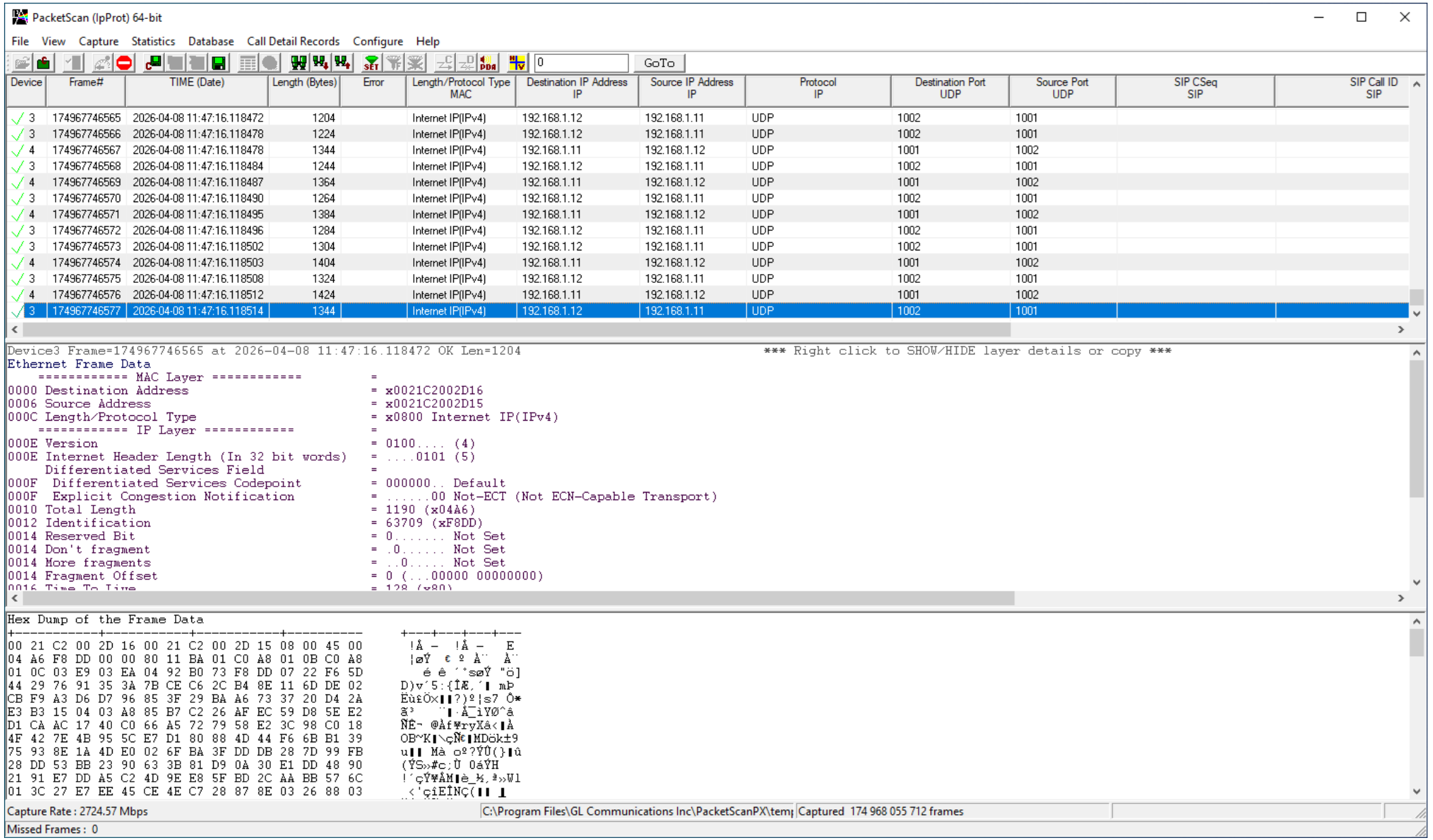
Real-Time Packet Capture with Layer-Wise Decoding



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Thank you