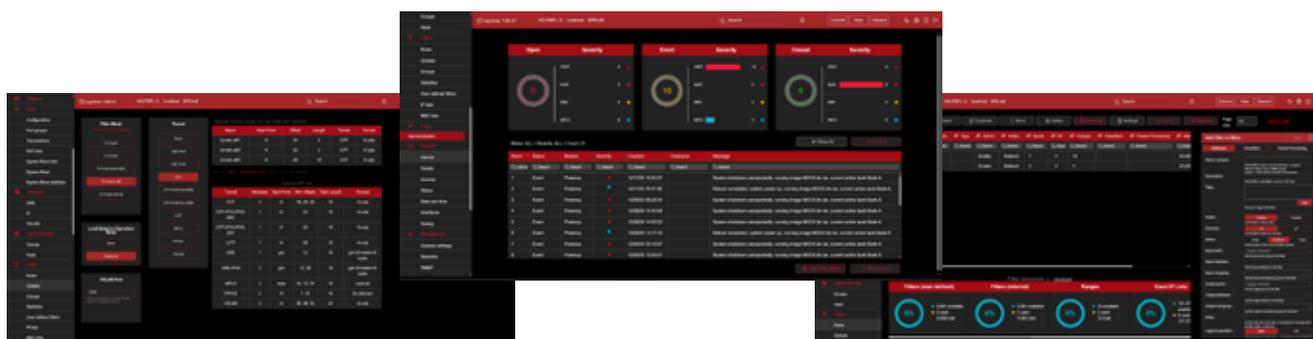


NEOXPacketLion NX-PBPL-4L

EFFICIENT MONITORING OF SEVERAL 100G LINES WITH YOUR 10G-100G ANALYSIS AND SECURITY TOOLS



Network Packet Brokers, also known as Data (Network) Monitoring Switches, help you to intelligently manage your passively tapped network data and - thanks to innovative technology - make the data packets available to the analysis tools reliably and in an optimised form.

The media type and speed of your network are irrelevant, as these devices are equipped with QSFP28 connections and process the data packets without affecting the active line and redistribute them according to your requirements.

By filtering the data with hardware-based filter mechanisms before routing it out, you can, for example, analyse multiple 100G lines with existing 10G/25G/40G/100G analysis tools while reducing the amount of data for easy and secure analysis.

Data that is not of interest is either discarded or sent to other tools for further analysis.

HIGHLIGHTS

- High QSFP28 port density, up to 40x 40G/100G or 80x 10G/25G
- Line rate performance without packet loss
- Non-blocking backplane architecture with N+1 redundancy
- Adding, replacing and removing VLAN headers
- Load distribution based on 5-tuple criteria
- Port splitting (simplex mode), port labelling
- Up to 12,000 filters
- Support for jumbo frames
- MAC Replace
- Radius and TACACS+
- MPLS stripping
- Modular thanks to QSFP28 interfaces
- Hot-swappable, load-distributing and redundant AC/DC power supplies
- 3+1 hot-swappable fans
- GTP-based load balancing*
- 13 dedicated QSFP28 100G ports for stacking additional PacketLions via the PacketDirector*

* available soon

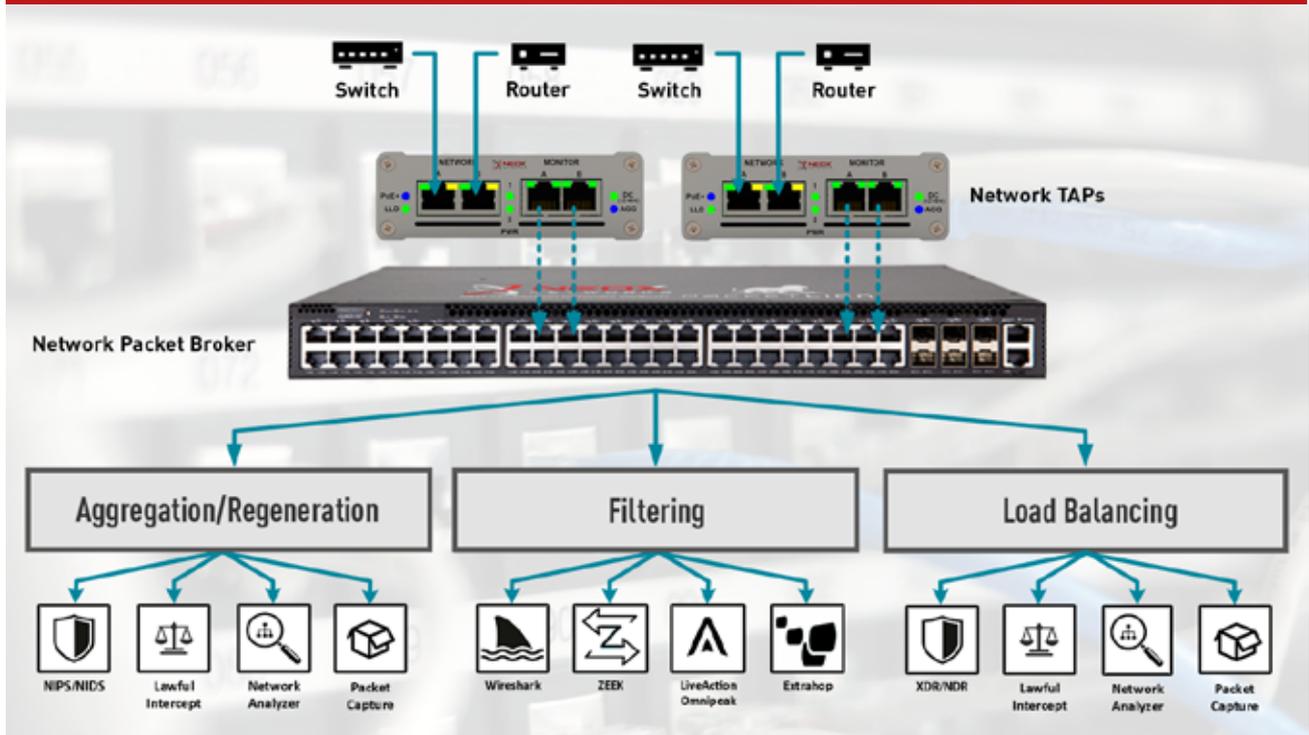
FEATURES

Flexible port allocation (1:1, N:N, N:1, 1:N)
Aggregation of 10G, 25G, 40G and 100G network ports
Support for filter rules (MAC, VLAN, IPv4/IPv6, TCP/UDP, DSCP, TCP flags, MPLS)
Filtering within a tunnel (GTP, L2TP, MPLS, GRE, VxLAN, and PPPoE)
Equipped with 8 GB deep buffer to avoid packet loss due to micro bursts
Digital Diagnostics Monitoring (DDM)
Support for user-defined filter rules (UDF)
Multiple management options (CLI, SSH, SNMP V2/V3, WEB UI, Net CONF and REST API)
Logging through syslog and SNMP traps
Configure all PacketLion (and PacketTiger) brokers via a centralised management interface with our PacketDirector

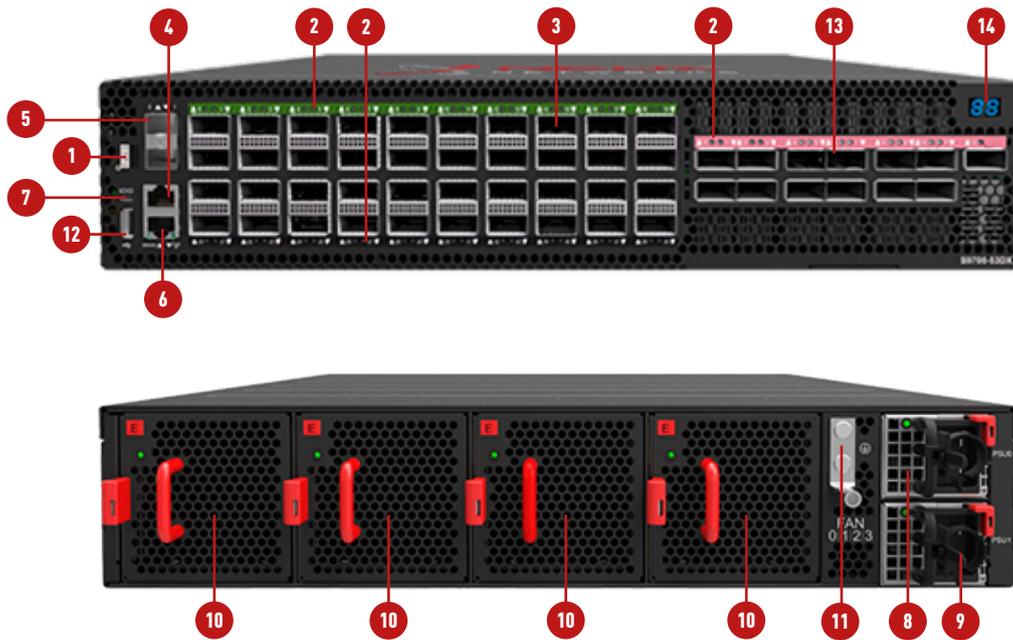
USE CASES

- Aggregation of TAP/SPAN traffic in a central location to provide data efficiently to security and monitoring tools
- Decide for yourself which network traffic you want to forward to which analysis system
- Intelligent load distribution of all data traffic according to the capacity of your connected monitoring systems
- Regeneration of the data traffic, for example to be able to provide the network data to several security systems in parallel
- Use the inline options of our PacketLions and simply connect several tools in series to increase your network security (can be combined with intelligent Load Balancing).
- Layer 2 matrix switch functionality for any interconnection of network data (many to one, one to many, many to many, any to any), easy media conversion through modular design (SFP+/SFP28/QSFP+/QSFP28/QSFP-DD)
- Intelligent filter rules allow you to sort out the network data to be analysed without loss or interruption
- Enables you to evaluate 1G/2.5G/10G/25G/40G/50G/100G/200G/400G network lines using 1G/2.5G/10G/25G/40G/50G/100G /200G/400G monitoring systems

EXAMPLE SCENARIO



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INTERFACES			
1	System LEDs	8	PSU 1
2	Port Indicators	9	PSU 2
3	40 x 100G QSFP28 Ports	10	3+1 Hot-Swappable, Redundant Fans
4	1x RJ45 Management Port (multiple Mgmt. IPs possible)	11	Grounding Point
5	2x 10G Management Port (multiple Mgmt. IPs possible)	12	USB Storage Port
6	1x RJ45 Console Port	13	13x 400G QSFP-DD Fabric Ports for Stacking (coming soon)
7	1x Micro-USB Console Port	14	Beacon LED

TECH SPECS

CHIPSET	DIMEINIONS (WxHxD) / RU	WEIGHT
Broadcom Jericho2 BCM88690	43.6 cm x 7.6 cm x 87.7 cm / 17.2" x 3.0" x 34.5" / 2RU	ca. 21 kg

POWER SUPPLY
AC input range: 200~240 V, 12.5 A / DC input range: -40 to -72 V, 60 A / Max. Power consumption: 563W (without transceiver)

OPERATING TEMPERATURE	STORAGE TEMPERATURE	OPERATING HUMIDITY
0°C to 45°C / 32°F to 113°F	-40°C to 70°C / -40°F to 158°F	5% to 85% (RH), non-condensing

CERTIFICATIONS
EMC: FCC Part 15 Subpart B Class A, ICES-003 Class A, EN 55032 Class A, EN 55024, EN 55035, EN 62479, EN 50663, EN 300 386, EN 301 489, EN 303 413, BSMI, VCCI CISPR 32 Class A, AS/NZS CISPR 32 Class A, Anatel, NEBS GR-1089; SAFETY: UL 62368-1, IEC 62368-1, BSMI, NOM; Environment: WEEE, RoHS, NEBS GR-63

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SKU	100G	40G	25G	10G
NX-PBPL-4L	40x QSFP28 Ports	40x QSFP28 Ports	80x (Fan-Out / Break-Out via QSFP28)	80x (Fan-Out / Break-Out via QSFP28)



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