

# NEOXPacketLion NX-PBPL-4L

**Monitoring of multiple 100G lines with 10G-100G analysis/security tools**

**MAXIMISE NETWORK VISIBILITY WITH OUR COST-EFFICIENT AND INNOVATIVE 100G PACKET BROKER PLATFORM!**



**40x 40G/100G or 80x 10G/25G**

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 - 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\*

## 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\*

\* Available soon

## 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

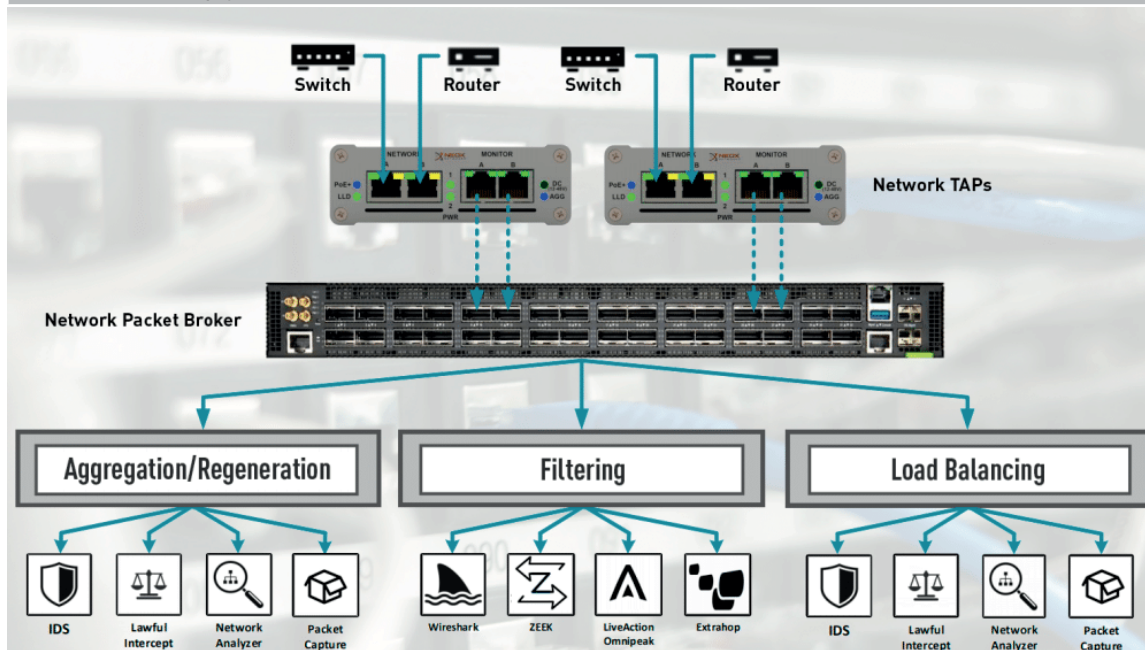
Regeneration of the data traffic, for example to be able to provide the network data to several security systems in parallel

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

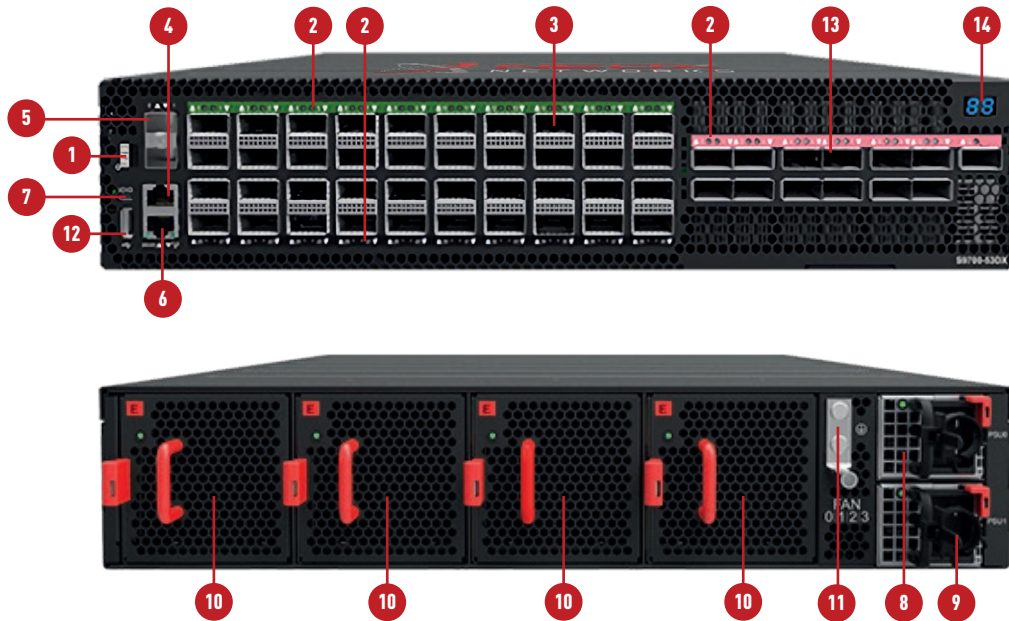


Possible deployment scenarios for Network Packet Brokers

## CERTIFICATIONS / APPROVALS

CE / UL 62368-1 / IEC 62368-1 / BSMI / NOM / WEEE / RoHS / GR-63 / NEBS Level 3 / 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, NEBS Level 3





## 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 <i>(multiple Mgmt. IPs possible)</i>	11	Grounding Point
5	2x 10G Management Port <i>(multiple Mgmt. IPs possible)</i>	12	USB Storage Port
6	1x RJ45 Console Port	13	13x 400G QSFP-DD Fabric Ports for Stacking <i>(coming soon)</i>
7	1x Micro-USB Console Port	14	Beacon LED

## TECH SPECS

## CHIPSET

Broadcom Jericho2 BCM88690

## DIMENSIONS (WxHxD) / WEIGHT

43.6 cm x 76.2 cm x 87.7 cm / 21.14 kg

## POWER SUPPLY

AC input range: 200~240 V, 12.5 A / DC input range: -40 bis -72 V, 60A / max. power consumption: 563W \*

\* without Transceiver



ITEM NO.	100G	40G	25G	10G
NX-PBPL-4L	40x 100G QSFP28 Ports	40x 40G QSFP28 Ports	80x 25G **	80x 10G **

\*\* Fan Out / Break Out via QSFP28