NEOX NETWORKS
NEXT GENERATION NETWORK VISIBILITY

NEOX**PacketLion NX-PBPL-1L**

EFFICIENT MONITORING OF SEVERAL 100G LINES WITH YOUR 1G-100G ANALYSIS AND SECURITY TOOLS

Model: NX-PBPL-1L

Network Packet Brokers, also called Data (Network) Monitoring Switches, help you to intelligently manage your passively tapped network data and - through innovative technology - provide the analysis tools with the data packets reliably and in optimised form.

Media type and speed of your network do not matter, as these devices are equipped with SFP28 and QSFP28 connectors and process the data packets without affecting the active line and redistribute them according to your wishes. By filtering out the data with hardware-based filtering mechanisms prior to rejection, this allows you to evaluate multiple 100G lines with existing 10G analysis tools, for example, while reducing the amount of data for hassle-free and secure analysis. Data that is not of interest is either discarded or sent to other tools for further analysis.

PACKETLION

HIGHLIGHTS
Line rate performance without packet loss
Non-blocking backplane architecture with N+1 redundancy
Stacking of multiple Network Packet Broker systems possible
Support for L2GRE and VxLAN tunnelling protocol
Load distribution based on 5-tuple criteria
Port Splitting (Simplex Mode), Port Labeling
Timestamping (per port / per filter rule)
Support for Jumbo Frames
MAC Replace
Radius and TACACS+
Modular due to SFP28 and QSFP28 interfaces
5+1 redundant, hot-swappable fans
Hot-swappable, load-sharing and redundant AC/DC power supplies
MPLS Stripping
Packet Slicing

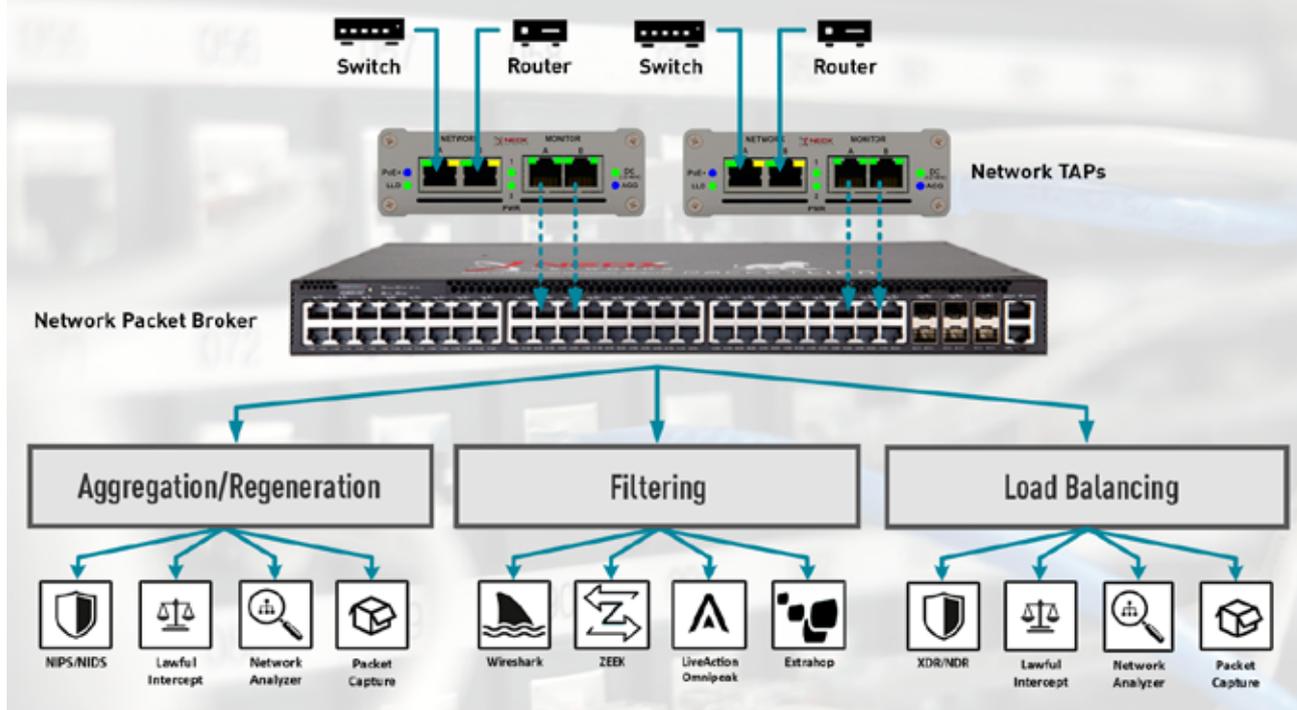| FEATURES |
| --- |
| Flexible port assignment (1:1, N:N, N:1, 1:N) |
| Aggregation of 1G-, 10G-, 25G-, 40G-, 50G- and 100G network ports |
| Support for filter rules (MAC, VLAN, IPv4/IPv6, TCP/UDP, DSCP, TCP Flags, MPLS, Ingress, Egress) |
| Filtering within a tunnel (GTP, L2TP, MPLS, GRE, VxLAN, etc.) |
| 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 |

USE CASES

Aggregation of TAP/SPAN traffic in a central location to efficiently provide security and monitoring tools with the data

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

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).

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

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 (SFP28/QSFP28)

Intelligent filter rules let you sort out the network data to be analysed without loss and without interruption

Enables you to evaluate 1G/10G/25G/40G/50G/100G network lines using 1G/10G/25G/40G/50G/100G monitoring systems

EXAMPLE SCENARIO

TECH SPECS

CHIPSET	DIMENSIONS (WxHxD) / RU	WEIGHT
Broadcom Trident 3 X5 (BCM56873)	43.8 cm x 4.3 cm x 53.6 cm / 17.3" x 1.7" x 21.1" / 1RU	ca. 10 kg

POWER SUPPLY		
AC input range: 100~240 VAC, DC input range: -36 ~ -72 VDC, Redundant, hot-swap		

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 95% non-condensing

CERTIFICATIONS
EMI, CE Mark, EN55032 Class A, EN55024, EN61000-3-2, EN61000-3-3, FCC Title 47, Part 15, Subpart B Class A, VCCI Class A, CCC, BSMI; Safety: CB, UL/CUL, CCC, BSMI; RoHS 2.0 Compliant; Environmental: NEBS GR63-CORE (Pre-test), WEEE Directive 2002/96/EC
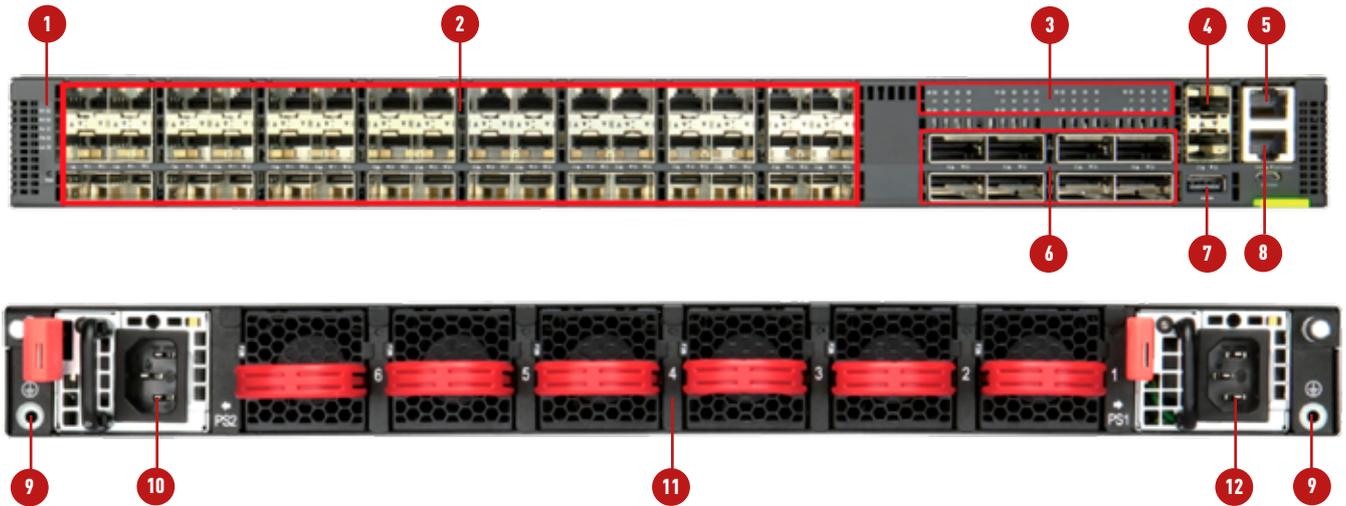
INTERFACES

1	System LEDs	5	1x RJ45 Management Port*	9	Grounding Point
2	48 x 25G/SFP28 Ports	6	8x 100G/QSFP28 Ports	10	PSU 2
3	Port Indicators	7	USB Storage Port	11	Hot-Swappable 5+1 Redundant Fans
4	2x 10G Management Ports*	8	Console Port	12	PSU 1

* Multiple Management IPs possible

SKU	1G/10G/25G	1G/10G/25G/40G/100G	50G	10G/25G
NX-PBPL-1L	48x SFP28	8x QSFP28	16x (Fan Out/Break Out via QSFP28)	32x (Fan Out/Break Out via QSFP28)

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ISO 9001
Certified
Quality Management System
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