NEOX NETWORKS
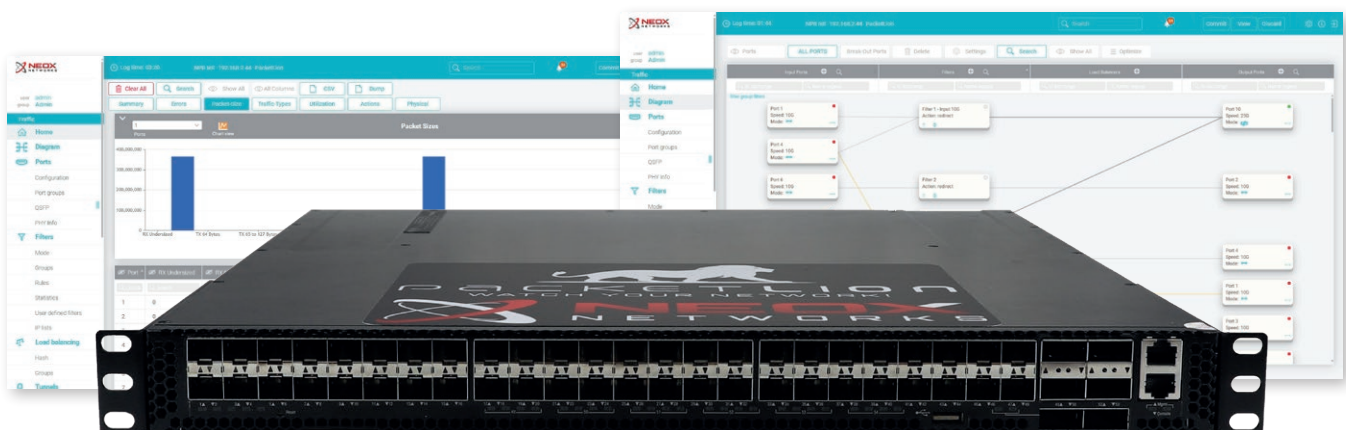NEXT GENERATION NETWORK VISIBILITY

NEOX**PacketLion NX-PBPL-1S**
Monitor Multiple 40G Lines with 1G/2.5G/10G Analysis/Security Tools

MAXIMISE NETWORK VISIBILITY WITH OUR COST-EFFECTIVE AND INNOVATIVE PACKET BROKER PLATFORM!

48x 1G/2.5G/10G and **6x 40G** or **24x 10G**

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 SFP+ and QSFP+ 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 40G or 10G lines with existing 1G 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

FEATURES

Flexible port assignment (1:1, N:N, N:1, 1:N)

Aggregation of 1G, 2.5G, 10G and 40G 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, 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

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 L3GRE tunnelling protocol

Load distribution based on 5-tuple criteria

Port Splitting (Simplex Mode), Port Labeling

Support for Jumbo Frames

MAC Replace

Radius and TACACS+

Modular due to SFP+ and QSFP+ interfaces

5+1 redundant, hot-swappable fans

Hot-swappable, load-sharing and redundant AC/DC power supplies

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 (SFP+/QSFP+).

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

Enables you to evaluate 1G/2.5G/10G/40G network lines using 1G/2.5G/10G/40G monitoring systems.
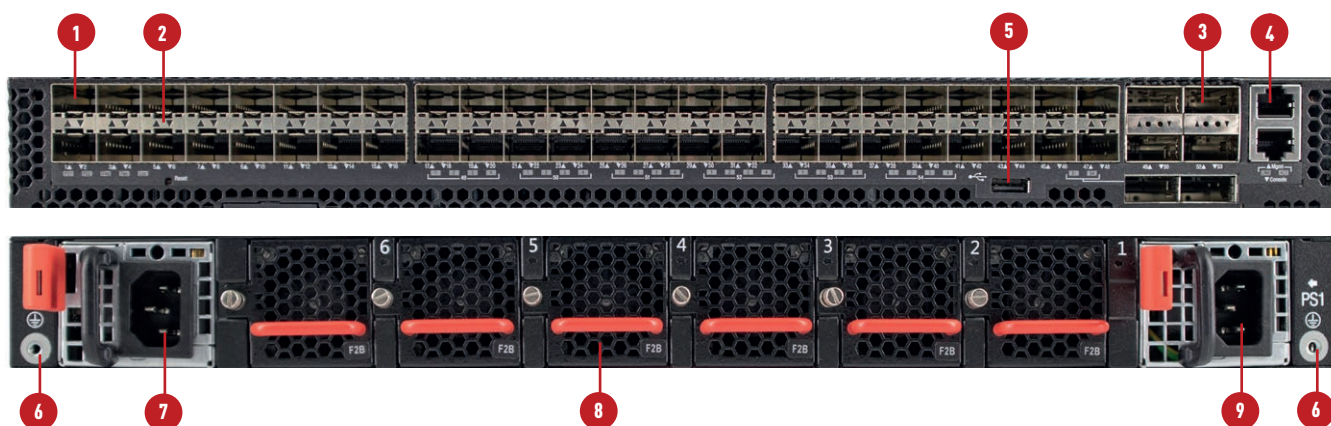
INTERFACES

1	48 x 1G/2.5G/10G SFP+ Ports	4	2x Management Ports (1x Ethernet & 1x Serial)	7	Power Supply Unit (PSU) 2
2	Port Indicators	5	USB Storage Port	8	Hot-Swappable, 5+1 Redundant Fans
3	6x 40G QSFP+ Ports	6	Grounding Point	9	Power Supply Unit (PSU) 1

DIMENSIONS (WxHxD) / WEIGHT	POWER SUPPLY
44.30 cm x 4.34 cm x 47.30 cm / 8.95 kg	AC Input Range: 90~264 VAC at 50-60Hz. DC Input Range: -48 to -72 VDC. Hot-Swap.

CHIPSET	REGULATORY / CE
Broadcom BCM56864 Trident II+ 720	EMI, CE Mark, FCC Part 15 Class A, VCCI, RoHS-6

ARTICLE NO.	1G/10G	10G	40G
NX-PBPL-1S	48x 1G/2.5G/10G via SFP+ Ports	24x 10G *	6x 40G via QSFP+ Ports

* Fan Out/Break Out via QSFP+ Ports