NEOX NETWORKS
NEXT GENERATION NETWORK VISIBILITY

NEOX**PacketLion** Product Family

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

PACKETLION

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 - provide the analysis tools with the data packets reliably and in optimised form.

Media type and speed of your network are irrelevant, as these devices are equipped with SFP+/SFP28/QSFP+/QSFP28/QSFP-DD 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, you can, for example, evaluate several 10G lines with existing 1G analysis tools and at the same time reduce the amount of data for trouble-free and reliable analysis.

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

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, L2GRE and VxLAN tunnelling protocol**
Load distribution based on 5-tuple criteria
Port Splitting (simplex mode)
Port Labeling
Support for Jumbo Frames
Digital Diagnostics Monitoring (DDM)
Radius and TACACS+
Modular through SFP+/SFP28/QSFP+/QSFP28/QSFP-DD Interfaces
Logging through Syslog and SNMP traps
N+1 redundant, hot-swap capable fans
Hot-swap capable, load sharing and redundant AC/DC power supplies
8GB Deep Buffer to eliminate packet loss because of micro bursts**
MPLS stripping, up to 9 labels**
Timestamping (per port/per filter rule)**
Packet slicing**

** for certain models

FEATURES

Flexible port assignment (1:1, N:N, N:1, 1:N)
Aggregation of 1G, 2.5G, 10G, 25G, 40G, 50G, 100G, 200G and 400G network ports
Support for filtering rules (MAC, VLAN, IPv4/IPv6, TCP/UDP, DSCP, TCP Flags, MPLS, Ingress, Egress)
Filtering within a tunnel (GTP, L2TP, MPLS, GRE, PPPoE, VxLAN)
Aggregation and regeneration of any network traffic
Support for User-Defined Filter rules (UDF)
Multiple management options (CLI, SSH, SNMP V2/V3, WEB UI, Net CONF and REST API)
Configure all PacketLion (and PacketTiger) Brokers via a Single-Pane-Of-Glass 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 PacketLion 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

MODELS

Model: NX-PBPL-1S und -1M

Model: NX-PBPL-1L

Model: NX-PBPL-2M

Model: NX-PBPL-2L

Model: NX-PBPL-3XL

Model: NX-PBPL-4L

ARTICLE NO.	SFP+ PORTS	SFP28 PORTS	QSFP+ PORTS	QSFP28 PORTS	FAN-OUT / BREAK-OUT
NX-PBPL-1S	48x 1G/2.5G/10G	-	6x 40G	-	24x 10G (via QSFP+)
NX-PBPL-1M	48x 1G/2.5G/10G	-	-	6x 40G/100G	12x 50G, 24x 10G/25G (via QSFP28)
NX-PBPL-1L	-	48x 1G/10G/25G	-	8x 40G/100G	16x 50G, 32x 10G/25G (via QSFP28)
NX-PBPL-2M	-	-	-	32x 40G/100G	64x 50G, 128x 10G/25G (via QSFP28)
NX-PBPL-2L	-	-	-	32x 40G/100G	64x 50G, 128x 10G/25G (via QSFP28)
NX-PBPL-4L	-	-	-	40x 40G/100G	80x 10G/25G (via QSFP28)

ARTICLE NO.	QSFP-DD PORTS		FAN OUT / BREAK OUT
NX-PBPL-3XL	32x 40G/100G/200G/400G		128x 10G/25G/40G/50G/100G/200G (via QSFP-DD)

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SecurITy

made in Germany

Trust Seal
www.teletrust.de/itsmig