NEOX NETWORKS
NEXT GENERATION NETWORK VISIBILITY

NEOXPacketLion NX-PBPL-2L

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

Modell: NX-PBPL-2L

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 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 before it is routed out, 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

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

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
Timestamping
Support for Jumbo Frames
MAC Replace
Radius and TACACS+
Modular due to QSFP28 interfaces
5+1 redundant, hot-swappable fans
Hot-swappable, load-sharing and redundant AC/DC power supplies
MPLS Stripping
Packet Slicing

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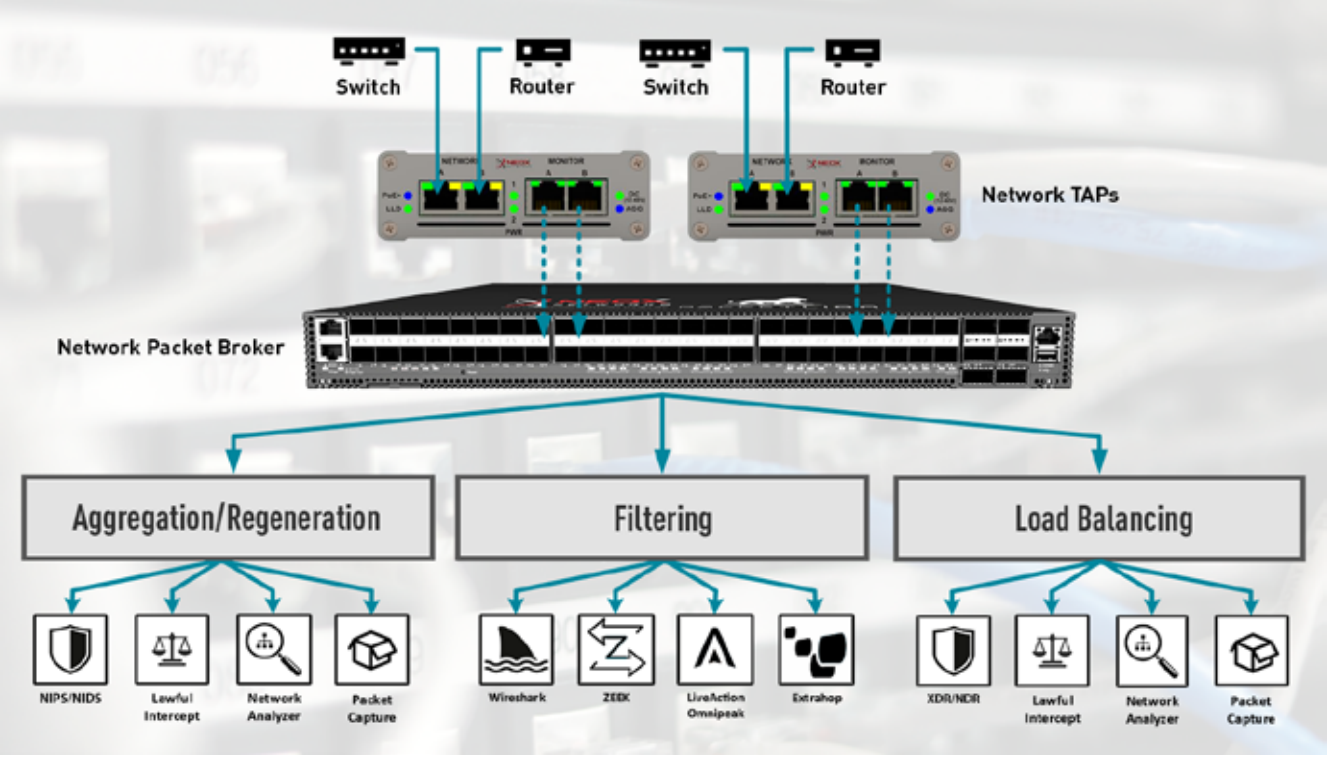
USE CASES

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 (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 X7 (BCM56870)	43.8 cm x 4.3 cm x 51.5 cm / 17.3“ x 1.7“ x 20.3“ / 1RU	ca. 11 kg

POWER SUPPLY (PSU)
AC input range: 90~240 VAC at 50-60 Hz, DC input range: -36 to -72 VDC. Max. Power consumption: 550W

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 Part 15, Subpart B Class A, VCCI Class A, CCC, BSMI; Safety: CB, UL, CCC, BSMI; Environmental: NEBS GR63-CORE (Pre-test); RoHS-2.0 Compliant; WEEE Directive 2002/96/EC)

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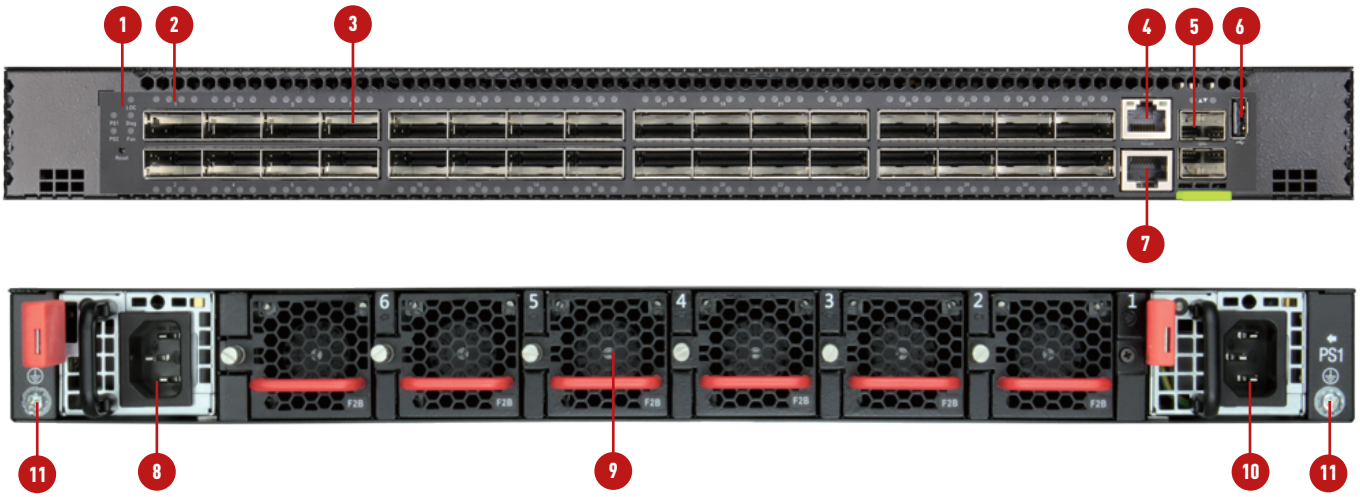

INTERFACES					
1	System LEDs	5	1x 10G Management Port*	9	Hot-Swappable 5 + 1 redundant fans
2	Port Indicators	6	USB Storage Port	10	PSU 1
3	32 x 100G QSFP28 Ports	7	Console Port	11	Grounding Point
4	1x RJ45 Management Port*	8	PSU 2		

** Multiple Management IPs possible*

PACKETLION

SKU	40G/100G	50G	1G/10G/25G
NX-PBPL-2L	32x QSFP28	64x (Fan Out/Break Out via QSFP28)	128x (Fan Out/Break Out via QSFP28)

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