

# NEOXPacketLion NX-PBPL-3XL

## Monitor multiple 400G Lines with 40G/100G Analysis/Security Tools

MAXIMISE NETWORK VISIBILITY WITH OUR COST-EFFECTIVE AND INNOVATIVE 400G PACKET BROKER PLATFORM!



**32x 400G or 128x 100G or 128x 40G**

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 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 before it is routed out, this allows you to evaluate multiple 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.



### FEATURES

- Flexible port assignment (1:1, N:N, N:1, 1:N)
- Aggregation of 10G, 25G, 40G, 50G, 100G, 200G and 400G 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
- Support for L3GRE tunnelling protocol
- Load distribution based on 5-tuple criteria
- Port Splitting (Simplex Mode), Port Labeling
- Support for Jumbo Frames
- Timestamping
- MAC Replace
- Radius and TACACS+
- Modular due to QSFP-DD interfaces
- 5+1 redundant, hot-swappable fans
- Hot-swappable, load-sharing and redundant AC/DC power supplies
- Packet Slicing

## 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.

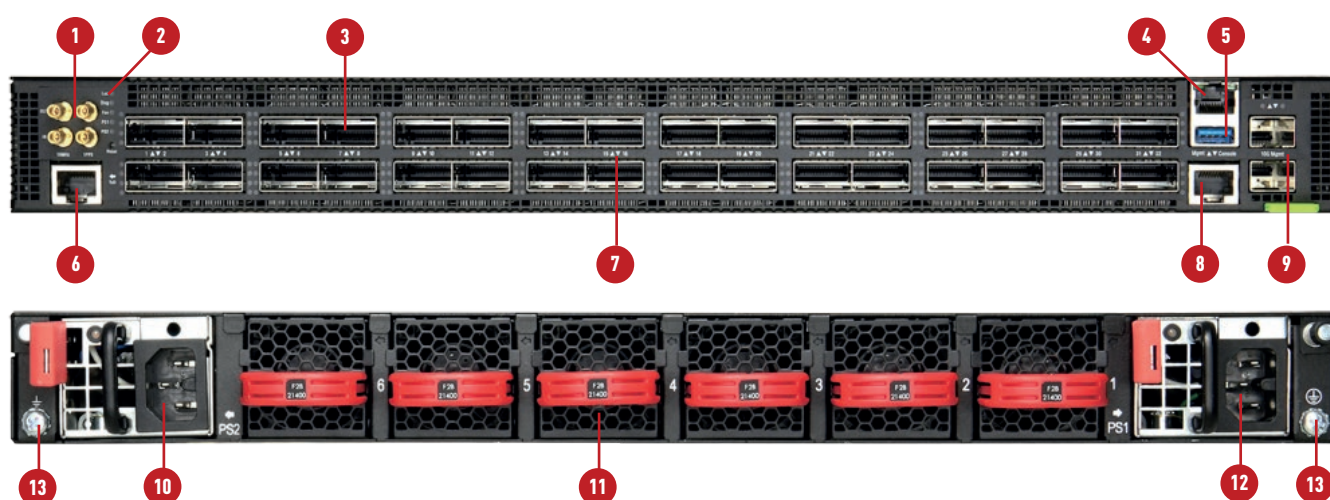
Use the inline options of our PacketLions and simply connect several tools in series to increase your network security (can be combined with intelligent Load Balancing).

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 (QSFP-DD).

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

Enables you to evaluate 10G/25G/40G/50G/100G/200G/400G network lines using 1G/10G/25G/40G/50G/100G monitoring systems.



## INTERFACES

1	10 MHz and 1 PPS Timing Ports	6	ToD (Time of Day) Port	11	Hot-Swappable, 5+1 Redundant Fans
2	System LEDs	7	Port Indicators	12	Power Supply Unit 1
3	32 x 400G QSFP-DD Ports	8	Console Port	13	Grounding Point
4	1x RJ45 Management Port*	9	2x 10G SFP+ Management Ports*		
5	USB Storage Port	10	Power Supply Unit 2		

\* Multiple Management IPs possible

## DIMENSIONS (WxHxD) / WEIGHT

43.84 cm x 4.31 cm x 53.60 cm / 11.06 kg

## POWER SUPPLY

AC Input Range: 100~240 VAC at 50-60 Hz. redundant, power sharing, hot-swap capable

## CHIPSET

BCM56980 Tomahawk III

## REGULATORY / CE

EMI, CE Mark, FCC Title 47 Part 15 Subpart B Class A, VCCI Class A, RoHS 2.0



ARTICLE NO.	400G	200G	100G
NX-PBPL-3XL	32x 40G/100G/200G/400G QSFP-DD Ports	64x 40G/200G *	128x 10G/25G/50G/100G *

\* Fan Out/Break Out via QSFP-DD