



# NEOXPacketFalcon Compact

COMPACT NETWORK FORENSICS & PACKET CAPTURE APPLIANCE FOR ULTRA-FAST CAPTURING, INDEXING, SEARCH AND ANALYSIS OF NETWORK DATA IN REAL TIME!

AMD  
XILINX



PACKETFALCON  
WATCH YOUR NETWORK!

SecurITy  
made  
in  
Germany



Networks continue to increase in speed and complexity. And security attacks will also evolve in terms of complexity and stealth capabilities. Thus, for optimal and secure IT service delivery, IT security teams must have permanent access to detailed traffic analysis. Network forensics provides this essential access and insight that security analysts need.

Our PacketFalcon products are powerful recorders for all types of network speeds, enabling IT organisations to analyse, monitor and accurately record traffic without compromise. PacketFalcon provides permanent 24 x 7 access to 1G, 10G, 25G, 40G and 100G networks for detailed analysis, including forensic analysis of past events.

PacketFalcon supports security teams by accurately and losslessly recording network traffic at key nodes using Network TAPs, indexing and analysing it in real time, enabling rapid investigation of anything happening on the network.

By indexing the data and providing simple and complex hardware and software filters (Berkeley Packet Filter), PacketFalcon enables security teams to quickly investigate and thus stop attacks - even when they occur in state-of-the-art high-speed networks such as 40G or 100G network topologies.

On the hardware side, the PacketFalcon Compact impresses with its robust construction, optional 31 TB or 61 TB disk storage, 256GB or 512GB RAM, and up to two high-performance gigabit capture cards from Napatech.

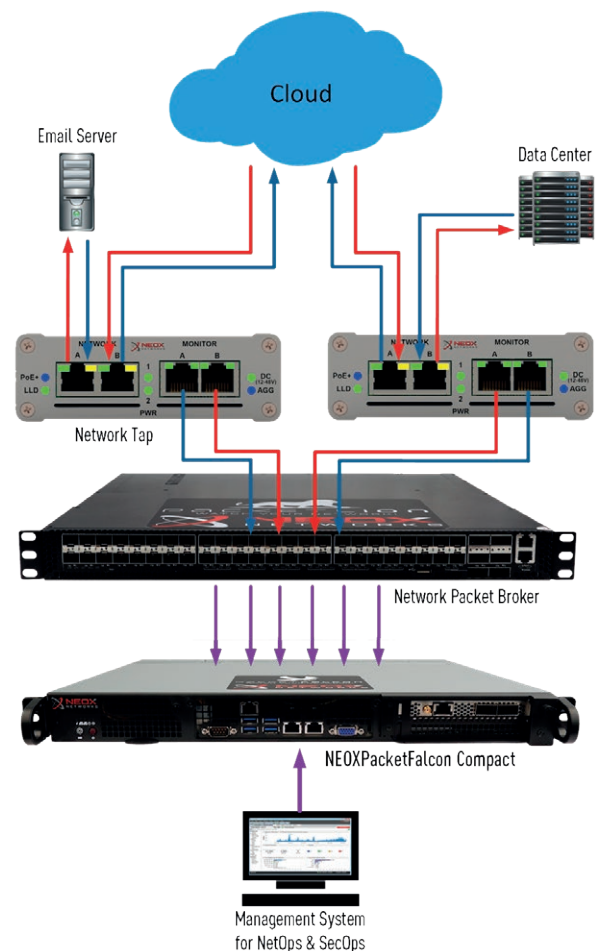
The software used is Linux and the award-winning network forensics software from LiveAction. This makes it possible to analyse network traffic across locations via remote access and to quickly find errors.

Due to its high flexibility in terms of mobile and stationary application possibilities, and also due to its optionally available transport case, it is the ideal companion for every network analysis and forensics specialist.



**HIGHLIGHTS**

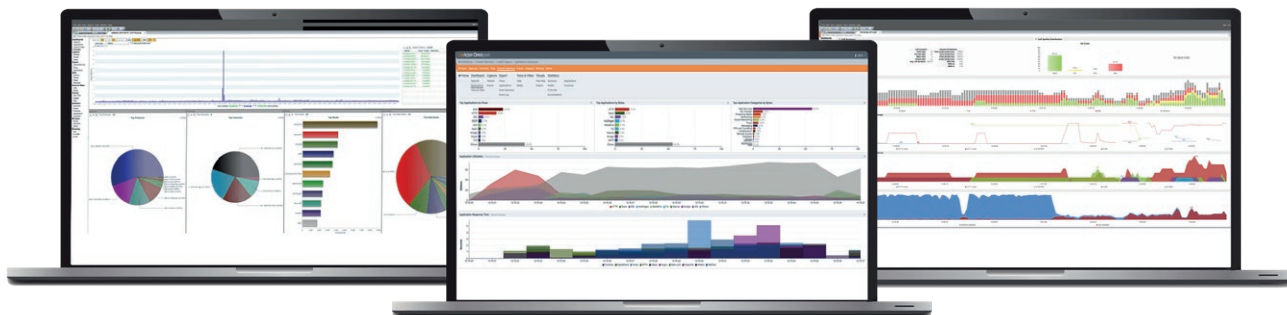
High-speed FPGA capture cards for 1G/10G/25G and/or 40G/100G
Supports IEEE 1588v2 PTP
FPGA-based nanosecond accurate timestamping
8GB / 12GB hardware buffer to absorb and analyse microbursts
FPGA-based Packet Slicing and Capture Filters
10G Ethernet management interface
Portable and rackmountable
Storage capacity available from 30.7 TB to 61.2 TB
Patented drill-down function
PCAP and PCAPNG support
FPGA-based deduplication
VoIP/video analysis
Performance monitoring
Optional support for hardware-encrypted capture memory, protects your data from unauthorised access. FIPS 140-2 certification and complies with ISO/IEC 27040 and NIST 800-88 standards.
Simultaneous unlimited access via Web GUI
Redundant power supplies
Includes 1 year hardware, software and maintenance support
Transport case optionally available

**USE CASES**

Accurate, robust and portable network forensics and analysis tool directly available at the customer site
Capture enterprise application traffic at distributed or remote sites to gain detailed and accurate insight into network status
Quickly troubleshoot and resolve network and application issues
Provide easy-to-use tools for field engineers and customers to capture local network traffic
Speed up troubleshooting of WLAN, VoIP and VoFi issues with Omnipeek features such as Expert Analysis
Get an accurate picture of the impact of IT rollouts on your network with comprehensive reporting and monitoring at every stage of deployment
Identify in real time the impact of network issues on application performance and deployment
Enable both real-time and historical replay of data for forensic analysis
Improve the speed of deployment of your new initiative to recoup costs and achieve a faster ROI
By using a network tap to mirror traffic, PacketFalcon monitors packet data without impacting the performance of the production network

**PREINSTALLED SOFTWARE - LiveAction LiveCapture**

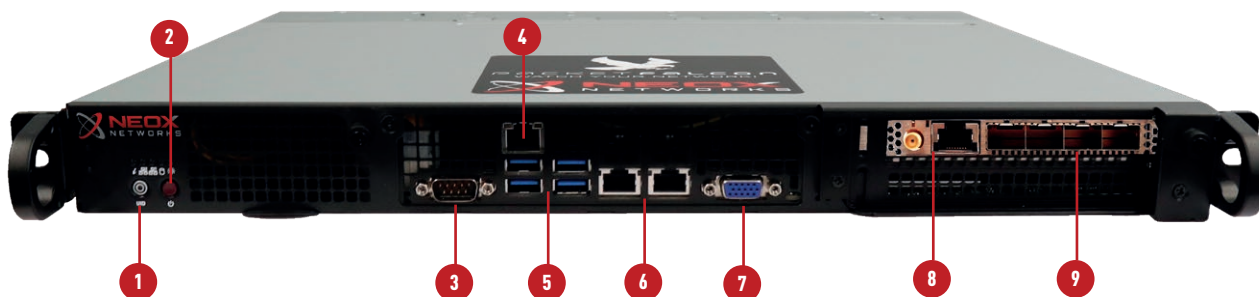
- Lossless capture and recording up to 100Gbps in 1G, 10G, 25G, 40G and 100G network links/connections while ensuring full data integrity.
- Powerful data preparation tools that allow NetOps to focus on specific time periods and types of traffic.
- Built-in analytics, including expert analysis and critical network metrics, such as top talkers and top logs, all of which contribute to accelerated investigation of potential anomalies.
- Network packets get hardware timestamped in FPGA with nanosecond accuracy. GPS, PPS, PTP and other external time sources are supported.



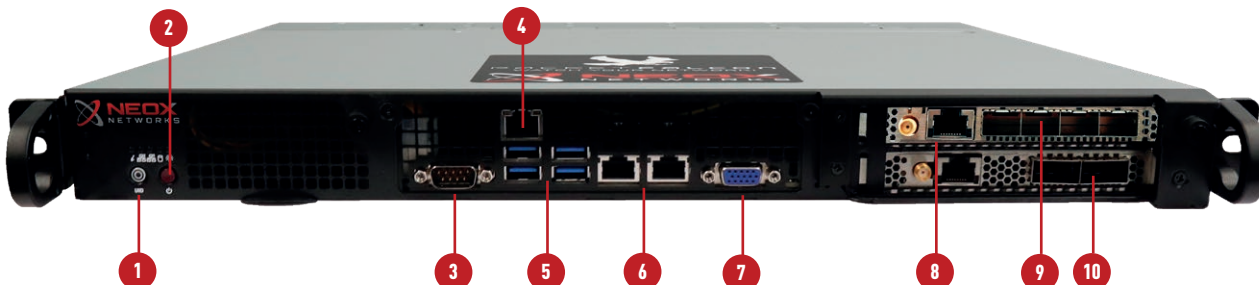
## FRONT VIEW

**!** Any combination of the two available capture cards is possible!

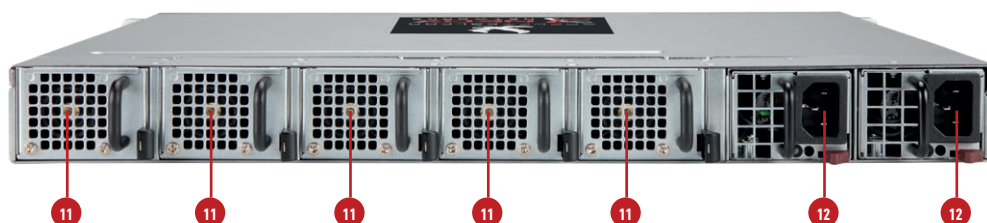
NEOXPacketFalcon Compact with an FPGA capture card - 4 port 1G/10G/25G (SFP/SFP+/SFP28)



NEOXPacketFalcon Compact with two FPGA capture cards - 4 port 1G/10G/25G (SFP/SFP+/SFP28) and 2 port 40G/100G (QSFP+/QSFP28)



## BACK VIEW



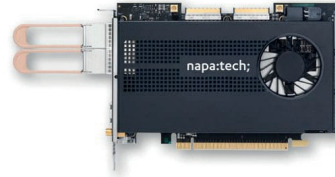
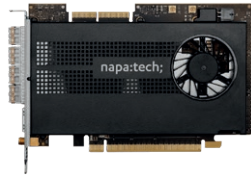
## INTERFACES & CONNECTORS

1	UID/Identifier button	7	D-Sub VGA display port
2	Power button and status LEDs	8	IEEE 1588-2008 (PTPv2) Coaxial & RJ45
3	RS-232 serial port	9	4x 1G/10G/25G SFP28 ports
4	Intelligent Platform Management Interface (IPMI) RJ45 LAN port	10	2x 40G/100G QSFP+/QSFP28 ports
5	4x USB3.2 Gen 1 ports	11	Swappable fans 1, 2, 3, 4 and 5
6	2x 10G Ethernet Management Interface	12	Swappable power supply units 1 and 2

## AVAILABLE CAPTURE CARDS

4 port 1G/10G/25G FPGA Capture Card (SFP/SFP+/SFP28)

2 port 40G/100G FPGA Capture Card (QSFP+/QSFP28)



## MODELS &amp; OPTIONS

ITEM NO.	RAM	SSD	CAPTURE CARD - PORTS
NX-LC-25G-30TB-CT	256 GB	30,7 TB	4x 1G/10G/25G SFP28
NX-LC-25G-60TB-CT	256 GB	61,2 TB	4x 1G/10G/25G SFP28
NX-LC-40G-30TB-CT	256 GB	30,7 TB	2x 40G QSFP+ / 8x 10G (Fan-out)
NX-LC-40G-60TB-CT	256 GB	61,2 TB	2x 40G QSFP+ / 8x 10G (Fan-out)
NX-LC-100G-30TB-CT	256 GB	30,7 TB	2x 100G QSFP28 / 2x 40G QSFP+ *
NX-LC-100G-60TB-CT	256 GB	61,2 TB	2x 100G QSFP28 / 2x 40G QSFP+ *



ITEM NO.	RAM	SSD	CAPTURE CARD 1 - PORTS	CAPTURE-CARD 2 - PORTS
NX-LC-25G25G-30TB-CT	256 GB	30,7 TB	4x 1G/10G/25G SFP28	4x 1G/10G/25G SFP28
NX-LC-25G25G-60TB-CT	256 GB	61,2 TB	4x 1G/10G/25G SFP28	4x 1G/10G/25G SFP28
NX-LC-25G40G-30TB-CT	256 GB	30,7 TB	4x 1G/10G/25G SFP28	2x 40G QSFP+ / 8x 10G (Fan-out)
NX-LC-25G40G-60TB-CT	256 GB	61,2 TB	4x 1G/10G/25G SFP28	2x 40G QSFP+ / 8x 10G (Fan-out)
NX-LC-40G40G-30TB-CT	256 GB	30,7 TB	2x 40G QSFP+ / 8x 10G (Fan-out)	2x 40G QSFP+ / 8x 10G (Fan-out)
NX-LC-40G40G-60TB-CT	256 GB	61,2 TB	2x 40G QSFP+ / 8x 10G (Fan-out)	2x 40G QSFP+ / 8x 10G (Fan-out)
NX-LC-25G100G-30TB-CT	256 GB	30,7 TB	4x 1G/10G/25G SFP28	2x 100G QSFP28 / 2x 40G QSFP+ *
NX-LC-25G100G-60TB-CT	256 GB	61,2 TB	4x 1G/10G/25G SFP28	2x 100G QSFP28 / 2x 40G QSFP+ *
NX-LC-100G100G-30TB-CT	256 GB	30,7 TB	2x 100G QSFP28 / 2x 40G QSFP+ *	2x 100G QSFP28 / 2x 40G QSFP+ *
NX-LC-100G100G-60TB-CT	256 GB	61,2 TB	2x 100G QSFP28 / 2x 40G QSFP+ *	2x 100G QSFP28 / 2x 40G QSFP+ *

\* 2x 25G (adapter) / 8x 10G (Fan-out)

## TECHNICAL SPECIFICATIONS

Width x Height x Depth	43.7 cm x 4.3 cm x 42.9 cm
Weight	ca. 12 kg
Power Supplies	2x 800W - 80 PLUS Platinum certified
Input Voltage	110-240 VAC 50-60Hz

## ENVIRONMENT

Operating Temperature	5°C - 35°C
Storage Temperature	-40°C - 70°C
Relative Operating Humidity	8% - 90% (non-condensing)
Relative Storage Humidity	5% - 95% (non-condensing)

## UPGRADE OPTIONS

ITEM NO.	DESCRIPTION
NX-LC-UPG-512B-C	Upgrade the PacketFalcon system from 256 GB to 512 GB RAM
NX-LC-UPG-HSKC-C	Hard case for transport

