

NEOXPacketFalcon - 100G Packet Capture Appliance

PORTABLE NETWORK FORENSICS APPLIANCE FOR ULTRA-FAST CAPTURING, INDEXING, SEARCHING AND ANALYSIS OF NETWORK DATA IN REAL TIME!



PACKETFALCON

SecurITy
Trust Seal
 www.trust.de/itsmig
 made
 in
 Germany



Networks continue to increase in speed and complexity. Security attacks will evolve in terms of complexity and stealth. Business operations will continue to be network-based. For optimal and secure IT service delivery, IT security teams must have ongoing access to detailed traffic analysis.

Network forensics provides this essential access and insight that security analysts need.

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

PacketFalcon helps security teams analyze by recording data at key network points, while minimizing the traffic that this data collection can generate.

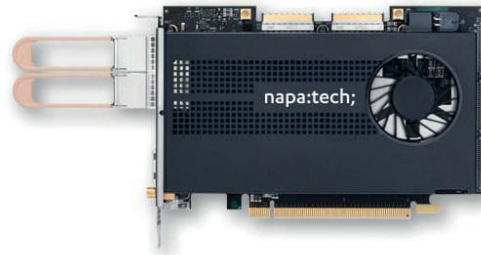
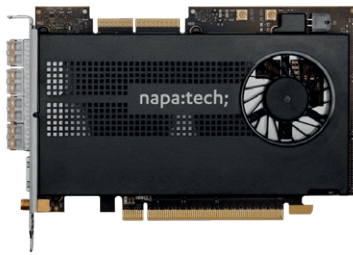
By indexing the data and providing simple and complex filters (Berkeley Packet Filter), PacketFalcon enables security teams to quickly investigate and thus stop attacks - even when they occur in state-of-the-art high-speed networks such as 40G or 100G network topologies.

Linux is used as the operating system and LiveAction's award-winning network forensics software LiveCapture is used for analysis and evaluation. This makes it possible to remotely analyse network traffic across locations and quickly troubleshoot, which drastically reduces MTTR time.

With its robust construction and Linux as operating system, either 24 TB, 51 TB, 102 TB or 240 TB disk storage and 1G/10G/25G/40G/100G high performance Giga-bit capture adapter, it is the ideal companion for the mobile network analysis and forensic specialist.

HIGHLIGHTS

Up to 3 high-speed FPGA capture cards for 1G/10G/25G/40G/100G
Support for IEEE 1588v2 PTP
FPGA-based nanosecond accurate timestamping
8 GB / 12 GB hardware buffer for absorbing and analyzing microbursts
10G Ethernet Management Interface
Hardware RAID 0, 5, 6, 00, 50, 60
16x 2.5" SSD removable frames
Support for hardware-encrypted capture storage, protects your data from unauthorized access. FIPS 140-2 certification and complies with ISO/IEC 27040 and NIST 800-88 standards
Storage capacity available between 24 TB and 240 TB
Operating system on separate NVMe M2 SSD
Patented drill-down function
FPGA-based Deduplication
FPGA-based Packet Slicing and Capture Filters
PCAP and PCAPNG support
17,3" Full HD 1920x1080 Display
Robust aluminium housing
Keyboard, lockable as display protection during transport
Simultaneous unlimited access via Web GUI
Trolley included
Optional: hard case with CNC milled foam for transport
Development and quality assurance in Germany



AVAILABLE CAPTURE CARDS

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

2-Port 25G/40G/100G FPGA Capture Card (QSFP+/QSFP28)

PacketFalcon OPTIONS

ITEM NO.	CPU	RAM	SSD	PORTS
NX-LC-25G-24TB-PT	AMD EPYC™	256 GB	24 TB	4x 1G/10G/25G SFP28
NX-LC-25G-51TB-PT	AMD EPYC™	256 GB	51 TB	4x 1G/10G/25G SFP28
NX-LC-25G-102TB-PT	AMD EPYC™	256 GB	102 TB	4x 1G/10G/25G SFP28
NX-LC-25G-240TB-PT	AMD EPYC™	256 GB	240 TB	4x 1G/10G/25G SFP28
NX-LC-40G-24TB-PT	AMD EPYC™	256 GB	24 TB	2x 40G QSFP+ / 8x 10G (fan-out)
NX-LC-40G-51TB-PT	AMD EPYC™	256 GB	51 TB	2x 40G QSFP+ / 8x 10G (fan-out)
NX-LC-40G-102TB-PT	AMD EPYC™	256 GB	102 TB	2x 40G QSFP+ / 8x 10G (fan-out)
NX-LC-40G-240TB-PT	AMD EPYC™	256 GB	240 TB	2x 40G QSFP+ / 8x 10G (fan-out)
NX-LC-100G-24TB-PT	AMD EPYC™	256 GB	24 TB	2x 100G QSFP28 / 2x 40G QSFP+ / 2x 25G (Adapter) / 8x 10G (fan-out)
NX-LC-100G-51TB-PT	AMD EPYC™	256 GB	51 TB	2x 100G QSFP28 / 2x 40G QSFP+ / 2x 25G (Adapter) / 8x 10G (fan-out)
NX-LC-100G-102TB-PT	AMD EPYC™	256 GB	102 TB	2x 100G QSFP28 / 2x 40G QSFP+ / 2x 25G (Adapter) / 8x 10G (fan-out)
NX-LC-100G-240TB-PT	AMD EPYC™	256 GB	240 TB	2x 100G QSFP28 / 2x 40G QSFP+ / 2x 25G (Adapter) / 8x 10G (fan-out)
NX-LC-25G100G-24TB-PT	AMD EPYC™	256 GB	24 TB	2x 100G QSFP28 / 2x 40G QSFP+ / 8x 10G (fan-out) / 4x 1G/10G/25G SFP28
NX-LC-25G100G-51TB-PT	AMD EPYC™	256 GB	51 TB	2x 100G QSFP28 / 2x 40G QSFP+ / 8x 10G (fan-out) / 4x 1G/10G/25G SFP28
NX-LC-25G100G-102TB-PT	AMD EPYC™	256 GB	102 TB	2x 100G QSFP28 / 2x 40G QSFP+ / 8x 10G (fan-out) / 4x 1G/10G/25G SFP28
NX-LC-25G100G-240TB-PT	AMD EPYC™	256 GB	240 TB	2x 100G QSFP28 / 2x 40G QSFP+ / 8x 10G (fan-out) / 4x 1G/10G/25G SFP28

DIMENSIONS & WEIGHT

Width x Height x Depth: 43.5 cm x 37.3 cm x 17.8 cm

Weight: ca. 15 kg

PacketFalcon UPGRADES

ITEM NO.	DESCRIPTION
NX-LC-UPG-100G	Upgrade of the PacketFalcon system to support 2x 100G. Applicable for systems with already installed 40G capture cards like NX-LC-40G-xTB-PT.
NX-LC-UPG-40G	Upgrade of the PacketFalcon system to support 2x 40G. Applicable for systems with already installed 25G capture cards like NX-LC-25G-xTB-PT.
NX-LC-UPG-HSK	Hard shell case with CNC milled foam for transport



Trolley included