



Supreme Eagle 100 Gbps



DATASHEET

NIKSUN Supreme Eagle was found to defy the adage of “next-generation” products . . . “If you have a large mission-critical data stream, you cannot afford not to give [Supreme Eagle] a close look.”

*- Dr. Peter Stephenson
Technology Editor, SC Magazine*

Modern multiplex networks are consistently burdened by exponential rises in the volume, velocity, variety and variability (4-V) of traffic. Those relying on these networks increasingly demand speed and reliability to drive efficient decision-making, from anywhere at any time on any device. Such communication superhighways must be monitored to secure and support the traffic of machine-to-machine (M2M) transactions, always-on devices and a seemingly infinite number of bandwidth hungry applications. As such, if your network can't control 4-V traffic production from the edge to the network core, then your entire organization is at risk of collapse - irrespective of whether you are a carrier, cloud service provider, telecom, financial institution or data center provider.

Revolution, Not Just Evolution

NIKSUN® Supreme Eagle®, a single unit hardware platform, is an industry breakthrough. Hailing from a strong pedigree of best-in-class security, mobility and performance monitoring solutions, Supreme Eagle is a modular hardware platform aptly developed for today's big data challenges. Designed to accomplish the impossible, Supreme Eagle accelerates each of its system components to ensure that full line rate processing ranging from 20 Gbps to 100 Gbps+ is achieved without dropping a single packet and supports storage up to 10 Petabytes.

In comparison to current industry offerings, Supreme Eagle delivers:

15x more	60% less	80% less
processing capacity	power consumption	rack space required

Finally, a Big Data Solution

Unlike other industry offerings, Supreme Eagle eliminates the chaos of data overload. Its proprietary parallel processing architecture combats increasing volume of traffic flow rates. Revolutionizing monitoring with continuous and high speed lossless packet capture exceeding 100 Gbps, Supreme Eagle is 4 times more efficient in comparison to other industry offerings. Together, its speed and power lead to the fastest incident prevention, containment and management to protect and optimize data centers and large scale networks.

In response to organizational growth, underlying networks expand and transform. Correspondingly, Supreme Eagle is purely architected to scale with network expansion and to satisfy increasing traffic velocity and volumes. It scales to exponential rises in traffic volumes and combats increasing traffic flow rates. Supreme Eagle's modular building block design provides a unique solution that can grow along with your business, yet, save considerably in operational expenditures as it is highly optimized in space, power, processing and storage.

5x
faster processing

10%
more storage

5x- 20x
more throughput

Fault Tolerant, Data Center Ready

Supreme Eagle transforms the whole data center experience by minimizing the clutter of disparate processors with its robust grid and cluster computing architecture. Supporting nearly limitless expansion, as your security and analysis requirements grow, simply scale up with NIKSUN.

- » **Cluster Computing:** Ready for clustering and scalable performance
- » **Grid Computing:** Out-of-the-box ready for distributed processing and analysis
- » **Fault Tolerant Hardware:** Designed with component and system level fault tolerant hardware
- » **Hot Swap Components:** Built in redundancy and hot swap capabilities
- » **NEBS Compliant:** Ready for telecom and ISP networks

Next-generation Product

Engineered with the latest high performance processors, ultra-fast memory and NIKSUN's next-generation core IP integrated within its own interface line cards, Supreme Eagle ensures data capture, processing and analysis at the fastest speeds possible. Each component of the system has been designed to maximize efficiency and ensure state-of-the-art performance, across the board.

Keeping up with the 4-V explosion in data requires a platform not only capable of delivering performance to meet current demands, but exceeding those requirements through an innovative design partnered with the technical ingenuity of a company committed to that level of excellence in every part of systems design and architecture. Combining seamlessly high performance and data center network traffic capture with simultaneous analysis, undoubtedly, NIKSUN Supreme Eagle is the only solution operational at 10 Tbps in production today!

Technical Information

Form Factors: A variety of form factors are available. Supreme Eagle is suitable for high speed carrier grade network deployments with extensive storage requirements.

Integration: Supreme Eagle can integrate with any combination of NIKSUN monitoring software solutions.

Interested in learning more?

For more information, please visit us online at niksun.com.



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About NIKSUN, Inc. NIKSUN is the recognized worldwide leader in making the Unknown Known. The company develops a highly scalable array of real time and forensics-based cyber security and performance management solutions for large enterprises, government & intelligence agencies, service providers and financial services companies. NIKSUN's award winning enterprise solutions deliver unprecedented flexibility and packet capture power. The company's patented real-time analysis and recording technology is the industry's most comprehensive solution for secure and reliable network infrastructure and services. NIKSUN, headquartered in Princeton, New Jersey, has sales offices and distributors throughout the US, Europe, the Mid East and Asia-Pacific. For more information, please visit www.niksun.com.

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