

Free evaluation

We offer a 30-day evaluation period for OEM customers, free of charge. This includes full support from our skilled field application engineers plus access to our online support center and documentation portal.

See www.napatech.com/free-trial

NAPATECH RECONFIGURABLE COMPUTING

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Supercharge

YOUR NETWORK APPLICATION

Napatech FPGA SmartNICs dramatically increase application performance. By taking on resource-heavy pre-processing workloads, the SmartNIC removes I/O networking bottlenecks and alleviates your app so it can focus 100% on its intended purpose, be it network security, monitoring or analysis.

SOLUTIONS

Cybersecurity
Monitoring
Infrastructure
Cloud and Edge
Mobile
Financial

PLATFORM

Link™ Capture Software Napatech
Link™ Capture Software Intel®
Link™ Inline Software
Link™ Virtualization Software
Link™ SmartNICs
Link™ SmartCards
Link™ Programmable
FPGA Cloud Crypto

APPLICATION PERFORMANCE

Suricata
Zeek
Snort
n2disk
Wireshark
TRex
+ More

SERVICES

Professional Services
Custom Development

How we boost performance

Whether your application is custom-developed, commercial or open source, Napatech SmartNICs can offload the most burdensome pre-processing workloads from the server CPUs and return valuable compute resources to your application.

Napatech SmartNICs uniquely ensure that not a single fraction of traffic is lost, thus providing the ultimate foundation for your application to perform to its full potential.

- **Fast-track your IDS/IPS**

Napatech SmartNICs multiply performance for Intrusion Detection and Prevention Systems (IDS/IPS) by a factor 4, thereby turning them into ultra-reliable, high-throughput security tools that allow users to spot threats, policy violations and malicious behavior even at multigigabit traffic loads.

- **Maximize your protocol analyzer**

Napatech SmartNICs amplify performance for protocol analyzers by a factor 14, transforming them into omniscient data microscopes that detect all network activity for flawless protocol analysis.

- **Speed up your traffic generator**

Napatech SmartNICs accelerate traffic generation tools by a factor 4, thereby creating high-performance and massively cost-efficient alternatives to proprietary traffic generators.

See specific benchmarks at napatech.com/solution-descriptions

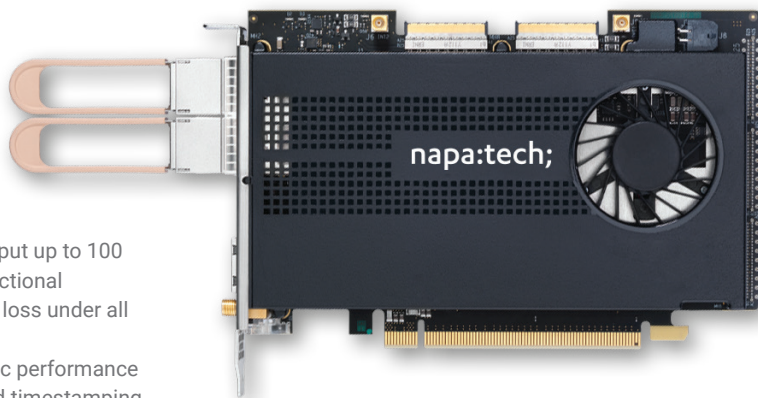
Supported apps include: IDS/IPS tools, Advanced Threat Detection, Network Recording, Network Monitoring, Quality of Experience apps, Advanced Network Testing, Traffic Generators, etc.

Napatech SmartNICs

Napatech is the pioneer and preferred supplier of FPGA-based SmartNICs designed to improve application performance and provide ultimate network flexibility and security. Our industry-leading feature set provides capabilities that are crucial for high-speed, real-time data processing.

With Napatech SmartNICs, you can build affordable, high-performance solutions based on standard, low-cost servers. The card offers market-leading integration capabilities and provides a robust and well-documented Application Programming Interface (API) that seamlessly integrates with open source, custom-developed or commercial applications.

The SmartNIC's intuitive programming language enables on-the-fly filtering configuration and intelligent multi-CPU distribution. With added support for libpcap and WinPcap, programmers can quickly integrate Napatech SmartNICs into their system.



- Full throughput up to 100 Gbps bi-directional
- Zero packet loss under all conditions
- Deterministic performance
- Nanosecond timestamping of all packets
- Advanced filtering capabilities
- NT, PCAP and DPDK API support

How you benefit

- Increase application performance up to 14x
- Reduce system costs by using fewer servers to reach target performance
- Limit OPEX by cutting rack space, power, cooling and management
- Diminish time-consumption on complex tasks due to additional computing power
- Achieve complete network visibility and limit massive costs from cyberattacks or infrastructure issues

napatech

Napatech helps companies to reimagine their business, by bringing hyper-scale computing benefits to IT organizations of every size.

We enhance open and standard virtualized servers to boost innovation and release valuable computing resources that improve services and increase revenue.

Our Reconfigurable Computing Platform™ is based on a broad set of FPGA software for leading IT compute, network and security applications that are supported on a wide array of FPGA hardware designs.

NAPATECH RECONFIGURABLE COMPUTING

All you need

1. Any Napatech FPGA SmartNIC
2. Any Intel-based standard server
3. Any use case specific application

