

NAPATECH DELIVERS STUNNING 100 GIGE PERFORMANCE FOR TREx

Reconfigurable Computing Solution Creates High-performance Alternative to Proprietary Traffic Generation Tools at a Fraction of the Cost

COPENHAGEN, Denmark, Feb 21, 2018 – Today Napatech, the leading provider of reconfigurable computing platforms, announced full support for TRex on its FPGA-powered SmartNICs. TRex is an open source traffic generator, widely deployed across industries to test, benchmark and debug networks. Boosted by Napatech SmartNIC software and hardware, TRex can now deliver lossless, high-performance traffic generation at all speeds up to 100GigE.

With this integration, Napatech aims to help IT organizations of every size to reimagine their infrastructures and achieve hyper-scale performance and cost savings, by replacing proprietary traffic generators with economically sustainable test solutions based on open and standard computing platforms.

Key benefits

- **Massive savings:** As the TRex and Napatech integration is based on open and standard computing platforms, it enables reliable, high-speed testing at a fraction of the cost of current proprietary solutions, saving organizations \$100k+.
- **Full line rate traffic at 100G:** The Napatech SmartNICs deliver line rate traffic generation in high-speed networks, enabling complete insight with realistic and authentic data, which is ideal for test scenarios.
- **Realistic traffic generator:** TRex is a low-cost, open source, DPDK-based application that generates traffic based on pre-processing and smart replay of real traffic templates.
- **Feature-rich solution:** With the TRex traffic generator now enabled on the Napatech platform users can get access to all the features provided by the open source application on a powerful high-performance SmartNIC.
- **Shorter development cycles and time-to-resolution:** By running TRex on a standard server with a Napatech SmartNIC, every network developer or manager will have a reliable test solution at hand whenever needed, thereby significantly reducing development cycles and time-to-resolution.

Michael Lilja, chief technology architect of Napatech, said:

“When developing high-performance networking equipment, you constantly need the ability to generate traffic at ultra-high speeds over complex real-world traffic patterns. By running TRex on a Napatech SmartNIC, I now get all the features of TRex while having my own small high-performance system that can run independently from the existing setup.”

Ken Way, chief sales officer of Napatech, said:

“Our reconfigurable computing platform takes our FPGA-powered SmartNIC hardware and software into low-cost, high-volume standard servers, allowing organizations to achieve all the same benefits of a very high-end custom device but doing so at a low-cost form factor.”

For a limited period, Napatech is offering its SmartNICs with TRex support at a low introductory price. Please write to info@napatech.com for more information.

Download the [Solution Brief](#)

ABOUT NAPATECH

Napatech helps companies to reimagine their business by bringing hyperscale 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.

Additional information is available at www.napatech.com

NO FORWARD-LOOKING STATEMENTS

This press release may contain forward-looking statements which are only predictions and may differ materially from actual future events or results due to a variety of factors, including but not limited to, business conditions, trends in the industry and markets, global economic and geopolitical conditions, macro-economic factors, and other risks and uncertainties set forth in Napatech's reports. The matter discussed in this release is based on current expectations and maybe subject to change. Napatech will not necessarily update this information.

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