

Napatech Announces 20GbE Pattern Matching Adapter for Security Applications and for Detailed Packet, Flow or Protocol Analysis

Product Displays at INTEROP in New York, September 17-19 2008

ANDOVER, Mass., Sept. 17 (SEND2PRESS NEWSWIRE) – INTEROP – Napatech today announces an upgraded version of its Pattern Matching Adapter based on Tiler's TILE64 Multicore processor. The new Pattern Matching Adapter can be used as a stand-alone product utilizing the two new added 10 Gbps ports on the board, or in advanced configurations in conjunction with the Napatech 1 Gbps and 10 Gbps high-performance network adapters. This unique Pattern Matching solution includes the following new features:



* Pattern Search at full 20 Gigabit per second line speed

- * Pattern Search across fragmented packets
- * Sustained capacity up to 1 million flows
- * Handles one hundred thousand new flows per second
- * 20 Gbps speed up to 2 million characters for all patterns
- * Flexible configuration of pattern length and number of patterns

"The new Pattern Matching Adapter is an enhancement of the earlier Tiler TILE 64 Processor based adapter launched in the spring of 2008. By adding two 10 Gbps ports to the advanced 64 Multicore Tiler TILE64 Processor, Napatech achieves both world-class 20 Gbps speed for advanced Pattern Searches, and a unique flexibility for processing and adapting to different search criteria. This new product can furthermore be used as a stand-alone Pattern Matching Accelerator Adapter as well as in combinations with the Napatech Programmable Network Adapters to utilize the advanced high-performance frame classification and filtering of these adapters," says Erik Norup, President, Napatech Inc.

The Pattern Matching Adapter will have many uses within Appliances for Intrusion Detection, Forensic Analysis, Lawful Intercept, IP Address Surveillance, Security and Cyberspace Surveillance.

The new Pattern Matching Adapter is added to the already feature-rich product line offered to Napatech's OEM customers. The high-performance adapters already include features such as line rate capture and processing of frames

up to 20 Gbps, 10 ns time-stamping of every packet, channel merging, frame classification, conditional dynamic frame slicing, 64 user-programmable filters, packet coloring, deduplication, support for 32 CPU cores, and more. The feature set supports Linux, FreeBSD and Windows, and includes a programming interface and development tools.

The feature set for the Pattern Matching Adapter supports Linux drivers, a programming interface and development tools.

About Napatech

Napatech is a leading OEM supplier of multi-port 1GbE and multi-port 10GbE high-performance network adapters. The core idea is to off-load real-time/streaming protocol, payload analysis and control applications traditionally implemented in software or proprietary hardware. Napatech expects a huge growth in the demand for intelligent and programmable adapters as Ethernet speeds increase, since the current PC architecture limits the amount of processing that can be achieved. Napatech has sales, marketing and R&D offices in Mountain View, California, Andover, Massachusetts, and Copenhagen, Denmark.

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