Napatech Introduces New Cost-Effective 4 Port GbE Adapter

ANDOVER, Mass., April 7 (SEND2PRESS NEWSWIRE) — Napatech today announced the introduction of a new member to their NT4 family of high-performance 4 port 1 Gbps Ethernet network adapters for PCI-Express. The new adapter is named NT4E-STD and is an enhanced PCI-Express version of the widely deployed Napatech XD adapter for PCI-X. The NT4E-STD provides 4 x 1 Gbps Ethernet ports, doubling the number of interfaces currently provided by the XD Adapter and thereby halving the port cost. The NT4E-STD also provides complete RMON1 standard support allowing full off-load of statistics collection from host CPUs.

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In addition to PCI-Express and RMON1 support, the NT4E-STD provides a number of additional enhancements to the XD feature set:

* Support for 4 x 1 Gbps ports both electrical RJ45 and Optical SFP versions
* Support for additional DDR2 RAM for data burst buffering up to 4 GB
* Fixed Slicing functionality for payload discard
* Support for Multiple CPU cores via 1, 2, 3 or 4 host buffers with individual statistics.

The NT4E-STD uses the same API and programming interfaces as Napatech's other adapter products.

"The new NT4E-STD PCI-Express adapters enable our OEM customers to provide very advanced solutions with a high port density at an attractive price point. The NT4E-STD family provides advanced time stamping features as well as new statistics features, which combined with its attractive price offers our OEM customers a cost-effective platform for the future," says Nick Arraje, VP of Sales North America at Napatech. By implementing the full RMON1 standard (RFC2819) a very detailed view of network traffic can be presented with zero CPU load. RMON1 provides jumbo frame counters on a per-port basis, which offer a number of useful "good/bad" statistics for each of the four host buffers supported.

These statistics are presented as "snapshots," which are transferred to the host through a separate DMA process followed by a time stamp. The new advanced statistics allow appliances/applications to present a very detailed view of network traffic at practically zero CPU load.

Napatech's high-performance adapters include line rate capture and processing of frames up to 20 Gbps, 10 ns time-stamping of every packet, channel merging, frame classification, conditional dynamic 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.

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 high performance adapters as Ethernet speeds increase. Napatech has sales, marketing and R&D offices in Mountain View, California, Andover, Massachusetts, and Copenhagen, Denmark.

For more information visit us at: www.napatech.com.

News issued by: Napatech Inc.

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Original Story ID: (4869) :: 2009-04-0407-001

Original Keywords: Napatech Inc NT4, 4 port 1 Gbps Ethernet network adapters for PCI-Express, NT4E-STD PCI-Express adapters, OEM, RMON1 standard RFC2819, 10GbE, Nick Arraje, S-NAB Napatech Inc.