



NAPATECH ANNOUNCES NEW FEATURE SET FOR THEIR NT20 PCI EXPRESS FAMILY OF 10GbE HIGH-PERFORMANCE NETWORK ADAPTERS

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ANDOVER, Massachusetts December 5th, 2008 – Napatech today announces the latest release called CLEVELAND for their NT20E family of 10 Gbps FPGA-based high-performance network adapters for PCI Express. The CLEVELAND release includes the following new features:

- Local Retransmit; allowing in-line device functions including filtering without involving the host CPU
- Time Sync Support for one pulse per second input, allowing for CDMA, GSM, IRIG-B sync
- Extended Statistics delivered as a consistent time-stamped snapshot

The Napatech X family of 4-port 1 Gbps adapters has for years had an advanced “Local Retransmit function” allowing incoming data to be filtered on the adapter and returned to the network without involving the host CPU. This functionality is now further enhanced and moved to the NT20E two-port 10 Gbps adapter.

Local Retransmit enables a number of advanced in-line applications like traffic sorting using the advanced 64 filters available, or combining appliances in a daisy chain where local retransmit relays certain traffic downstream to other appliances for further processing. The Local Retransmit feature set can be combined with Packet Classification, Hash Key Generation (2/5-tuple), Filtering, Coloring and Multi-CPU Splitting.

The new Time Sync feature allows the daisy chain time sync available on all Napatech NT adapters both 1 Gbps & 10 Gbps to sync directly, without the need for special boxes, with any one pulse per second timing source from i.e. IRIG-B or CDMA.

Napatech’s on board statistics have been enhanced in functionality and includes an extensive number of counters which are available independently whether traffic is forwarded to the host or not. This enables customer applications to retrieve a comprehensive network traffic analysis at virtually zero CPU load. There are two types of counters: Large set RMON1, including Jumbo frames, for both captured and discarded frames on a per-port basis; and a Normal set including frame & byte counters for good and bad frames per filter (64 counter sets) and per host buffer (32 counter sets).

The new features described above are added to Napatech’s OEM customers at no additional cost. The high-performance adapters already include line rate processing of packets 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. Napatech expects a huge growth in the demand for intelligent and programmable adapters as Ethernet speeds increase. Napatech has sales, marketing and R&D offices in Mountain View, California, Andover, Massachusetts, and Copenhagen, Denmark.

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