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## **Netronome Introduces 10 Gigabit Flow Processing Solution for Networking, Security and DPI Applications**

PITTSBURGH, PA – March 17, 2009 – Netronome Systems, Inc., a leading developer of highly programmable semiconductor products that provide intelligent and secure flow processing for network and communications devices, today announced the availability of a new line of 10 Gigabit network flow-processing solutions enabling communications equipment providers to quickly deliver high-performance networking and security applications and products based on accelerated multicore x86 platforms.

Manufacturers of network and security appliances aim to keep pace with enterprise and service provider networks migrating from 1Gbps to 10Gbps. In addition to increasing bandwidth, these appliances require greater intelligence, including security processing, application awareness and content inspection. In order to avoid the expense, time and risk associated with a custom hardware design, products based on standard servers must provide a resilient network interface, capable of deep packet inspection, without impairing network performance.

Netronome's PCI-Express based solution for accelerating multicore x86 systems offers dense front-facing Ethernet I/O options specifically designed for the Kontron NCS2U IP Network Server. The 4-port 10GigE and 12-port 10/100/1000 interfaces provide high-performance and low-latency, with high-availability via software configurable integrated bypass support.

"We are pleased to partner with Netronome to combine our IP Network Server with their flow-processing and network acceleration hardware, said Michael Kadri, vice president of North American sales for Kontron. "Netronome's acceleration technology and the NSC2U provide a platform that is ideal for network appliance vendors to evolve their applications to 10 Gigabit throughput levels with all of the reliability and redundancy these solutions require."

Netronome's network flow processing solutions deliver high-performance packet processing with intelligence, security and virtualization for millions of simultaneous flows through several unique features, including:

- Hardware-based flow processing with line-rate packet capture of network traffic, enabling lossless deep-packet inspection applications with granular application- and content-specific policy control.
- Flow-aware adaptive load balancing to exploit multicore CPU parallelism and an efficient zero-copy driver, combine to quickly and evenly distribute 10Gbps of network traffic, maximizing host CPU performance.
- Up to 40Gbps of total throughput for real-world traffic patterns, with variable packet sizes and protocol mixes, to support the increasing bandwidth requirements of enterprise and service provider networks.
- Less than 80 microseconds of delay, far exceeding industry standard requirements for latency in 1Gbps and 10Gbps in-line network and security appliances.
- High-availability network interfaces, including integrated bypass, necessary for resilient deployment in in-line network topologies.

"As networks evolve to 10Gbps and beyond, the packet capture, flow classification and application processing capabilities of network and security appliances must scale in parallel," said Jarrod Siket, senior vice president of sales and marketing at Netronome. "Our solution meets these requirements and avoids the time and cost associated with a custom design, by combining intelligent network flow processing with standard x86 servers."



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**Availability**

The Netronome LBIM-LE and LBIM-HE 10Gbps flow processing and acceleration solutions are now available. They will be demonstrated March 17-19 in booth #19 at the Multicore Expo taking place at the Santa Clara Convention Center in Santa Clara, California. For more information about Netronome or the new line of 10 Gigabit network flow-processing solutions, please contact Netronome at [sales@netronome.com](mailto:sales@netronome.com) or visit [www.netronome.com](http://www.netronome.com).

**About Netronome Systems**

Netronome is a leading developer of highly programmable semiconductor products that are used for intelligent flow processing in network and communications devices. Netronome's solutions include network flow processors and acceleration cards that scale to more than 20Gbps. They are used in carrier-grade and enterprise-class communications products that require deep packet inspection, flow analysis, content processing and security. Netronome is headquartered in Pittsburgh, PA, with core operations in San Jose, CA and Boxborough, MA, and international locations in the United Kingdom, China and South Africa. To learn more about Netronome and its products, please visit [www.netronome.com](http://www.netronome.com).

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