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Netronome Introduces 200 Gbps Network Flow Processing Platforms

NFP-3240 network flow processors accelerate Intel Xeon 5600 system for network and security applications

LAS VEGAS, Interop (Mandalay Bay Conference Center, Booth 2257) April 27, 2010 – Netronome, the leading developer of network flow processors, today unveiled the industry’s highest performing network flow processing platforms. Powered by Netronome’s NFP-3240 network flow processors, the Intel Xeon 5600-based servers deliver 200 Gbps of programmable L2-L7 networking in compact 1U and 2U form factors. These high-performance platforms are purpose-built for network and security applications that require line-rate throughput, low latency and high availability from standard IA/x86 systems.

Netronome’s Network Flow Processing Platforms utilize a heterogeneous multicore processing architecture to set new performance benchmarks over standard IA/x86 servers. This architecture provides independent layers of workload-optimized packet, flow, security and application processing to dramatically increase network performance. Simultaneously, it frees IA/x86 resources to provide more application and control plane processing.

Developers of Linux-based network and security applications can significantly reduce development time and costs by taking advantage of the price, performance, power and rate of innovation from standard Intel-based CPUs. The Network Flow Processing Platforms combine best-in-class Intel Xeon 5600 processors with Netronome’s award winning NFP-3240 network flow processors and NFE-3240 PCIe acceleration cards. This solution extends the benefits of standard Intel-based systems into high-performance networking applications, making them capable of complex network and security processing with unparalleled performance and cost.

Benefits of the Netronome Network Flow Processing Platforms include:

- **Leading application performance** – up to 200 Gbps of network and security application performance with sub-100 microsecond latency.
- **Configurable network interfaces** – offering 200 Gbps of modular front-facing network interfaces with integrated network resiliency hardware including 10/100/1000, 10-Gigabit and 40-Gigabit Ethernet.
- **System scalability** – through a 40 Gbps clustering module, traffic can be balanced across any number of devices for extremely high throughput and compute-intensive workloads.
- **Rapid development** – standard Linux-based applications can quickly and seamlessly take advantage of these capabilities through easy-to-integrate C-based APIs and a fully integrated development environment that includes a C-compiler, powerful simulation environment, extensive software libraries and sample applications.
- **Programmable L2-L7 flow processing** – up to 480 Gbps of L2-L4 packet processing; line-rate, stateful L4-L7 flow processing; and accelerated security processing for bulk cryptography and PKI operations.
- **Enhanced I/O virtualization** – for application and control plane traffic requiring bandwidth guarantees and traffic isolation in virtual environments, to over two thousand x86 endpoints and other networking devices.

“Designers of network and security appliances often use standard servers to reduce development time and product costs,” said Jarrod Siket, senior vice president of sales and marketing at Netronome. “Our network flow processing platforms allow this trend to continue at higher performance rates as their products move into 10 and 40 Gbps networks.”

Product Availability

NETRONOME

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Netronome's Network Flow Processing Platforms are now available with a range of price and performance options. For pricing and configuration options, please contact sales@netronome.com.

About Netronome

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 100 Gbps. They are used in carrier-grade and enterprise-class communications products that require deep packet inspection, flow analysis, content processing, virtualization and security. Netronome's products are developed in labs in Santa Clara, CA, Boxborough, MA and Pittsburgh, PA. To learn more about Netronome and its products, please visit www.netronome.com.

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