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NetLogic Microsystems Accelerates Layer 7 Content Processing on AMD Opteron™ Processors

Collaborative Solution Utilizes a Tightly Coupled, Highly Optimized Architecture that Directly Attaches NetLogic Microsystems' NETL7™ Knowledge-Based Processor to the AMD Opteron™ Processor to Dramatically Improve Content Processing Performance

Mountain View, Calif. – Apr. 24, 2006 – NetLogic Microsystems, Inc. [NASDAQ: NETL], the leader in the design and development of knowledge-based processors, today announced the availability of the NLS1000HDK reference platform which delivers the industry's best-in-class Layer 7 content processing solution in collaboration with Advanced Micro Devices, Inc. (AMD). By adopting a highly optimized architecture that allows NetLogic Microsystems' NETL7™ knowledge-based processor to connect directly to the AMD Opteron™ processor through a HyperTransport™ link, the NLS1000HDK platform enables customers to develop cost-effective, leading-edge systems with enhanced functionality, proven interoperability and improved time-to-market.

The tight coupling between the NETL7 knowledge-based processor and the AMD Opteron processor allows the NETL7 processor to efficiently perform comprehensive Layer 7 deep-packet content inspection and complex signature recognition at 10 Gigabits per second (Gbps) while minimizing system bottlenecks and resource utilization. The use of HyperTransport technology, with its minimized packet overhead and zero clock recovery, provides a high bandwidth, low latency point-to-point interconnect between the NETL7 knowledge-based processor and the AMD Opteron processor at transfer rates of over 50 Gbps.

“Through our combined innovation in performance, integration, power and scalability, the Layer 7 content processing solution from NetLogic Microsystems in collaboration with AMD raises the bar for the industry,” said Kelvin Khoo, director of strategic marketing at NetLogic Microsystems. “Our ability to accelerate intensive content processing for the AMD Opteron is an important development that enables customers to significantly enhance the functionality of x86-based systems, and at the same time allows us to expand its market footprint beyond the current networking and communications sectors into the computing and security markets.”

The NLS1000HDK hardware development platform allows original equipment manufacturers (OEMs) to deliver unparalleled performance and functionality that enables content awareness and unified network security for next-generation enterprise and service provider networks. This in turn allows network managers to perform full content inspection on every bit of data, voice and video traffic traversing the network at wire speeds. Moreover, the NETL7 knowledge-based processor’s proven interoperability with the AMD64 architecture allows OEMs to leverage significant industry investments in, and a broad technology infrastructure for, x86-based systems to deliver scalable platforms for datacenter servers, security appliances and networking equipment.

The NETL7 knowledge-based processor utilizes an advanced superscalar architecture with deep pipelining that is optimized for high-performance content processing, and is the industry’s first content processor that is capable of achieving 10 Gbps performance with a single engine. The feature-rich NETL7 knowledge-based processor is capable of supporting over 16 million simultaneous sessions and performing content inspection across packet boundaries, which is a critical requirement in today’s multi-gigabit networks. The unique silicon architecture for the NETL7 processor allows it to execute both string-based recognition and Perl-Compatible Regular Expression (PCRE) processing efficiently while optimizing solution cost and minimizing power consumption.

NetLogic Microsystems’ NETL7 family of knowledge-based processors also features the ability to concurrently support several hundreds of thousands of complex signatures – such as virus, intrusion and application signatures – as well as thousands of signature groups while sustaining 10 Gbps line rate. The NLS1000HDK reference platform includes device drivers and a high-speed signature compiler that is compatible with open-source as well as customer-proprietary signature databases.

Availability

The NLS1000HDK with full compatibility and interoperability with the AMD Opteron platform is now available. For more information, please contact netl7@netlogicmicro.com.

About NetLogic Microsystems

NetLogic Microsystems, Inc. (NASDAQ:NETL - News), a fabless semiconductor company located in Mountain View, Calif., designs, develops and markets high performance knowledge-based processors for a variety of advanced Internet, corporate and other networking systems, such as routers, switches, network security appliances, network access equipment and networked storage devices. NetLogic Microsystems' knowledge-based processors use an advanced processor architecture and a large knowledge or signature database to make complex decisions about individual packets of information traveling through the network. Knowledge-based processors from NetLogic Microsystems significantly enhance the ability of networking OEMs to supply network service providers with systems offering more advanced functionality for the Internet, such as application-based routing, voice transmission over the Internet, or VoIP, unified threat management (UTM) network security, virtual private networks, or VPNs, and streaming video and audio. NetLogic Microsystems' knowledge-based processors are interoperable with industry-leading CPUs, NPUs and routing/switching processors. For more information about products offered by NetLogic Microsystems, call 650.961.6676 or visit the NetLogic Microsystems Web site at <http://www.netlogicmicro.com>.

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