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## **NetLogic Microsystems Introduces World's Most Advanced Knowledge-Based Processor for Layers 3-4 Communications and Networking**

*NetLogic Microsystems' NL7000 knowledge-based processor family improves system performance to enable quadruple-play and IPv6 applications*

**Mountain View, Calif. – Oct 23, 2006** – NetLogic Microsystems, Inc. [NASDAQ: NETL], the leader in the design and development of knowledge-based processors, today announced the launch of its NL71024 knowledge-based processor for Layers 3-4 communications and networking. The NL71024 processor, the first member of the NL7000 family, is the world's most advanced knowledge-based processor, and incorporates an advanced architecture that enables new levels of performance for original equipment manufacturers (OEMs).

Emerging Internet services such as quadruple-play (convergence of video, voice, data and mobility), Internet Protocol Television (IPTV) and peer-to-peer (P2P) communications require the need for better quality of service (QoS) enforcement, increasingly complex access control list (ACL) keys, and more efficient packet classification. Furthermore, the increasing market adoption of network-enabled mobile devices, including cellular phones and ultra-mobile PCs, running quad-play applications dramatically increases the importance of advanced packet processing capability in network access and edge systems. The rapid growth of these devices, and of Internet users worldwide, is leading to a global shortage of Internet address capable of supporting these highly differentiated services. Consequently, Internet Protocol version 6 (IPv6) is increasingly being deployed in network access and edge equipment to enable high-bandwidth and robust delivery of advanced applications to both desktops and mobile devices. These trends are driving the need for massively parallel processing capabilities that are able to support higher processing speeds and larger databases, while demanding lower power consumption.

NetLogic Microsystems' NL71024 knowledge-based processor offers the industry's most superior parallel processing capabilities through an advanced superscalar architecture with deep pipelining and advanced power management that allows the processor to handle

multiple tasks at 40 Gigabits-per-second (Gbps) line rates while maintaining the lowest system power. This enables multiple processing decisions to be made simultaneously for QoS, ACL security, and voice/video packet forwarding, all of which significantly improve the performance of next-generation networks.

The NL71024 knowledge-based processor also delivers unprecedented database capacity, and enables systems to provide significant improvements in the support of the IPv6 protocol. Each NL71024 knowledge-based processor is capable of simultaneously processing either 256,000 IPv6 database entries or 1 million IPv4 entries, which is at least twice the processing capability of any existing solutions in the market. In addition, customers can cluster up to four knowledge-based processors to further expand the processing capacity.

“Our new NL7000 family offers the next level of architectural innovation to our customers, extends our worldwide market and technology leadership in knowledge-based processors, and positions us well ahead of the competition,” said James McDermott, director of marketing at NetLogic Microsystems. “We are excited that the NL71024 delivers significant performance enhancements to enable our customers to design systems that provide improved levels of flow based services and packet forwarding for next-generation networks.”

The NL7000 family of knowledge-based processors is also backward-compatible with the market-leading capabilities of NetLogic Microsystems’ NL6000 family of knowledge-based processors, maintaining both hardware and software compatibility. This compatibility enables network equipment vendors to seamlessly migrate their existing designs to the NL7000, thus providing higher performance and database capacity to their end customers without significantly increasing development time and cost.

The NL71024 will be available for customer delivery in sample quantities this quarter. For more information, please contact [sales@netlogicmicro.com](mailto:sales@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 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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