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Real-time 10GbE Packet Processing Expertise Powers Intelligent Solutions for Deep Packet Inspection Challenges

AdvancedIO® Systems enters deep packet inspection market

NXTcomm08 Booth: SL5909, PICMG Pavilion

NXTcomm, Las Vegas, NV, June 17, 2008 — AdvancedIO® Systems, the leading provider of configurable 10-Gigabit Ethernet (10GbE) connectivity for real-time embedded systems, today announced that it is entering the emerging billion dollar Deep Packet Inspection (DPI) market by creating intelligent interface technology for communications subsystem and software providers. With network connectivity becoming an essential part of the social and business fabric of the world's population, the infrastructure and equipment for mobile and wired networks is challenged to meet greater security demands and more sophisticated service requirements. DPI technology enables telecom providers and enterprises to meet these challenges faster and with less cost.

Leveraging its reconfigurable packet-processing expertise for high-performance 10GbE embedded real-time applications, AdvancedIO provides technology for use in systems for both protection and revenue-generation. These systems play a key role in several applications including network security, traffic control, quality of service, advanced billing, and lawful intercept. AdvancedIO's 10-GbE deep-packet inspection capabilities will be demonstrated at NXTcomm08 this week in Las Vegas.

"Network traffic is dynamic both at the daily use level and as trends shift and evolve," said Rob Kraft, AdvancedIO's VP of Marketing. "The hourly demand and traffic patterns change as users connect and disconnect from the network, seek information or offer commentary on local and significant world events, and as network threats or infrastructure problems arise. These daily changes ride atop trends like peer-to-peer file-sharing, YouTube, Facebook, and Flickr™ and new service offerings such as IPTV and smart phones. Our interface technology can be used to create subsystems that rapidly reconfigure to allow customers to accommodate and profit in such a dynamic environment."



With increased security and service challenges, high-speed deep packet inspection is emerging as a critical capability to meet the changing requirements of network and mobile infrastructure. In contrast to regular packet inspection, which looks only at some of the network packet header fields, deep packet inspection delves into the packet headers, examining the payload or content and enabling applications to make more sophisticated and complex assessments. As network data rates increase, insufficient time is available for current processors to support this deep level of inspection, and other technology is required to alleviate or eliminate the resultant system bottlenecks.

At NXTcomm, AdvancedIO's demonstration will show 10GbE traffic from a standard PC web browser application being intercepted and inspected at line rate by AdvancedIO's V3020 packet processing Advanced Mezzanine Card (AMC) residing in a MicroTCA™ platform. In the event that the traffic matches pre-specified criteria, the payload content is manipulated before being sent to the Internet, preventing an unauthorized and potentially harmful access. Unlike simple packet inspection which looks only at criteria such as the Internet Protocol address, the demonstration illustrates AdvancedIO's capability of inspecting and manipulating the payload content.

The V3020 is a single-width half-height AMC supporting PCI Express over the backplane. The V3000 family of configurable 10GbE AdvancedMC™ products provide high-performance low-power connectivity and packet processing for applications running in AdvancedTCA® or MicroTCA platforms. The family supports the embedded systems processing demands of next-generation applications across telecommunications and defense industries. The V3000 is designed to accommodate applications requiring wire-speed packet inspection and manipulation—an essential component of many next-generation telecommunications and enterprise products and services.

AdvancedIO is leveraging the reconfigurable packet processing expertise and technology it has been developing and delivering to the high-performance 10GbE embedded real-time space since 2004. AdvancedIO will continue to serve the embedded real-time market, delivering real-time 10GbE processing capabilities to



the radar, sonar, intelligence and the high-speed sensor processing and recording markets they already serve.

About AdvancedIO Systems

AdvancedIO Systems Inc. is the market leader in configurable 10GbE connectivity and packet processing solutions for the embedded systems market. AdvancedIO's product family, including the market's first 10GbE interface in the industry standard XMC form factor, delivers outstanding packet-processing performance in conjunction with application flexibility. AdvancedIO provides a unique solution for high-performance defense and telecom applications and for developers seeking to implement and benefit from standards-based high-speed fabric connectivity

AdvancedIO Systems was established in 2004 and is located in Vancouver, Canada. For more information please visit www.advancedio.com.

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