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## Advantech and 6WIND Pack 80 Gbps Throughput into Packetarium™

***6WINDGate™ multi-core packet processing software maximizes performance on Advantech's scalable Packetarium™ network processor platform***

***Taipei, Taiwan, May 25<sup>th</sup> 2010—Advantech and 6WIND today announced the availability of the latest 6WINDGate™ multi-core packet processing software on Advantech's award-winning Packetarium™ NCP-7560 network processor platform. Based on Cavium's 12-core OCTEON® Plus network processor, the NCP-7560 represents the high performance end of the Packetarium™ product line. It integrates up to eight powerful, multi-core Packetarium™ network processing boards for scalable wire speed packet processing, handling up to 80 Gbps throughput in a 4U rackmount space.***

The combination of 6WINDGate™ software, and Packetarium™ hardware accelerates performance across the system's 12 to 96 cores to allow faster packet handling and forwarding while freeing up overhead for increased processing at the application layer. The system, ideally suited for Deep Packet Inspection (DPI) applications, will be showcased at the Advantech booth at ISS World in Prague on June 2<sup>nd</sup> - 4<sup>th</sup>. ISS World is the world's largest gathering of European law enforcement, intelligence, defense, homeland security analysts, and telecom operators, responsible for lawful interception, electronic investigations, and network intelligence gathering.

"The 6WINDGate™ packet processing software scales seamlessly across Packetarium's multiple cores to provide a comprehensive Linux networking software solution that delivers a 7-10x packet processing performance improvement," said Eric Carmes, CEO of 6WIND. "It allows OEMs to develop multi-core based products that achieve the best cost-performance, integration and energy efficiency in the industry."

The scalability and sheer performance of the Packetarium™ NCP-7560, running 6WINDGate™ software, makes it ideal for OEMs designing high bandwidth systems in telecommunications and enterprise infrastructure where network traffic is growing exponentially, and more applications generate increased processing overhead on the same packet.

“The converged, all-IP network requires high performance packet processing, but a standard Linux operating system cannot sustain complex network traffic over multiple 10 gigabit Ethernet ports in order to implement advanced services,” said Franz Wei, VP at Advantech. “Our partnership with 6WIND on Packetarium™ allows OEMs to fully meet their wire speed processing needs while simplifying prototyping and accelerating time-to-market by at least 6 -12 months.”

Networking applications ranging from high-end multimedia and access gateways, to IPTV and billing systems, will benefit from the increased packet handling of the Packetarium / 6WINDGate™ combination. In network security markets, where deeper levels of packet inspection are required to continually mitigate risk, OEMs can take advantage of the gains in packet processing overhead to further enhance security.

“At just under 80 Gbps throughput, the system provides the capacity to monitor and discriminate the traffic of nearly 40,000 broadband subscribers with a bandwidth of 2 Mbps each, making it ideal for wider levels of ISP controlled network security, bandwidth management, surveillance and content regulation,” said Eddie Lai, Director of Business Development at Advantech’s Networks and Telecom Group. He went on to add, “We believe the combination of 6WINDGate™ and Packetarium™ will stimulate DPI market growth and facilitate new entrants for a wider offering of application level solutions.”

For further information please visit [www.advantech.com/NC](http://www.advantech.com/NC) or [www.6wind.com](http://www.6wind.com)

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**About Advantech** –Founded in 1983, Advantech delivers trustworthy industrial computing solutions that enable intelligent applications. Our operation is divided into two segments: Branded & Solution Business and Embedded Design-In Business. We cooperate closely with solution partners to provide products and customized solutions in a wide array of applications. Advantech operates an extensive support, sales and marketing network in 18 countries and 39 major cities to deliver fast time-to-market services to our worldwide customers. (Corporate Website: [www.advantech.com](http://www.advantech.com)). For Telecom and Networking markets, Advantech provides mission-critical hardware to the leading telecom and networking equipment manufacturers. Advantech’s standard and customized products are embedded in OEM equipment that the world’s communications infrastructure depends upon. Website: [www.advantech.com/NC](http://www.advantech.com/NC)

**About 6WIND** - 6WIND provides high-performance packet processing software solutions used by leading networking, telecommunications and security companies providing equipment for converged, all-IP networks. The company’s solution maximizes the packet processing performance of single and multi-core platforms, allowing customers to focus on their own value-added software applications and minimize their time-to-market. To ensure the availability of a complete system-level ecosystem, 6WIND partners with industry-leading suppliers of board-level products, operating systems and embedded software products worldwide. 6WIND is a privately owned company based near Paris, France with a US subsidiary in California, a sales and support office in Asia, and an R&D center in Beijing, China. For more information, visit [www.6wind.com](http://www.6wind.com)