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**Advantech & Cavium Networks partner to present first OCTEON® II Rack Mount Appliance at
Mobile World Congress 2011**

***Compact, 1U OCTEON II Network Appliance targets enterprise apps while second variant focuses on wireless and core network with NEBS Level 3, extended temperature and 300mm shallow ETSI rack support***

***Taipei, Taiwan, January 26th, 2011: Advantech, a global manufacturer of telecom computing blades and multicore network processor platforms, in close collaboration with Cavium Networks (NASDAQ: CAVM), a leading provider of semiconductor products that enable intelligent processing for networking, communications and the digital home, announced today the commercial availability of the Packetarium™ NCP-3120 1U rackmount appliance featuring the breakthrough 6-core OCTEON II CN6335 from Cavium. The design of a ruggedized variant, the NCP-3105 is also being announced and will target more specifically core and wireless network elements such as Radio Network Controllers and eNodeB/Basestations.***

Advantech leverages its extensive experience in network processor system design to bring OEM-ready platforms for mainstream, high volume enterprise routing, unified threat management (UTM) appliances, enterprise and service provider gateways. The Packetarium™ NCP-3120 based on the 6-core Cavium OCTEON II CN6335, brings enhanced scalability to customers deploying the Packetarium™ range. Network Processor Boards used in number in the high-end Packetarium systems integrate seamlessly into the 1U platforms to facilitate software re-use and allow OEM’s to market entry level variants for cost-sensitive higher volume deployment. The system is designed with flexibility in mind and offers a range of replaceable front I/O cards for GbE and 10 GbE connectivity as well as a standard PCIe x8 card expansion slot. With the accelerated packet, security, deep packet inspection (DPI) processing and wireless capabilities of the OCTEON II, the NCP-3120 is a cost effective platform which meets a wide range of UTM connectivity and bandwidth requirements. It also supports up to eight 2.5” SATA-2 Solid State Disks for data caching or database applications.

The Packetarium NCP-3105 integrates the CN6335-AAP Application Acceleration Processor version into a 1U rackmount form factor providing multi-port gigabit Ethernet packet processing for Radio Access Network elements. The new NCP-3105 system targets core network elements with support for redundant -48VDC input, extended temperature range and an overall design made for deployment in NEBS Level 3 environments. Further ruggedization options are available with -20 to 60°C extended temperature versions catering for remote radio access network elements. With a reduced depth of 10” the NCP-3105 supports mounting in 300mm shallow telecom racks or back-to-back mounting in standard 600mm racks for optimum use of space. Ethernet connections are made via four RJ-45 GbE ports with metallic bypass as default. Four SFP GbE ports are activitated when connected.

The system makes full use of industry-leading network acceleration functions within the OCTEON II and provides optional IEEE 1588v2 support to enable time and clock synchronization over Ethernet of network elements in the all-IP RAN or Evolved Packet Core such as eNodeBs or Radio Network Controllers

“As network demand spirals, the new generation infrastructure requires increasingly powerful but cost-effective multi core network processing platforms to maximize packet processing and throughput. With Cavium’s most advanced third-generation application hardware acceleration, our new Packetarium systems deliver a major performance, power, and real-estate value proposition over alternative solutions” said Byron Lin, Director at Advantech’s Networks and Telecom Group. “The new systems are capable of up to 10+Gbps of packet processing with QoS, up to 10+Gbps security with additions of encryption support for WiMAX/LTE wireless, and up to 10Gbps Deep Packet Inspection. We’re giving customers the tools they need to manage the growth in data whilst realizing substantial benefits in cost reduction and power efficiency."

“Advantech Packetarium™ NCP-3120 offers a Best-In-Class ODM product that addresses next generation Mobile Infrastructure and Cloud Computing’s security, DPI capabilities and networking performance in a very space and power conscious design” said YJ Kim, General Manager, Multi-core Processor Group, Cavium Networks. “We are very pleased to work with Advantech to bring the unmatched capabilities of CN6335 to leading OEMs for their latest generation of mobile and enterprise products”

Both platforms run Debian Linux and will also be available with software packages from ecosystem partners which simplify the integration of high-performance packet processing into multi-core networking equipment to accelerate time-to-market while maximizing the performance of Packetarium™ OCTEON II –based products.

The Advantech Packetarium™ NCP-3120 system is available for ordering now and the NCP-3105 will be sampling at the end of 1Q2011. Advantech will be featuring the NCP-3120 at the upcoming Mobile World Congress, 14-17 February in Barcelona, Spain.

Further information can be found [here](http://www.advantech.eu/nc/newsletter/eDM/NCP_MWC2011/index.htm)

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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). 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.eu/NC](http://www.advantech.eu/NC)