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Advantech to Introduce Latest Intel-based Platforms for Cloud, Video and Communication Infrastructure

Advantech platforms scale from Intel® Atom™ based table tops to Dual Intel® Xeon® Processors in rackmount units and ATCA bladed systems

Irvine, California, Sept. 7, 2011 – Advantech, a global manufacturer of telecom computing blades and multicore processor platforms, introduces its Intel-based solutions ranging from Intel® Core™ i7 processor AMCs to 40G AdvancedTCA Systems with dual Intel® Xeon® processor blades, and Advantech DPDK-enabled 40G Network Servers.

“As a Premier Member of the Intel® Embedded & Communications Alliance, there is a great deal of synergy between Advantech’s extensive product portfolio and Intel’s cutting-edge platform technology,” stated Peter Marek, Director x86 Solutions for Advantech’s Networks and Telecom Group. “Our equipment designs scale from small-to-medium business appliances and servers to datacenter-hosted cloud network platforms, and our solutions are used to power mission-critical communication infrastructure and enterprise networking applications such as video, security and Deep Packet Inspection. Of critical importance to our OEM customers, we have designed our systems to be incrementally upgraded as next-generation Intel® processors and 40 GbE controllers become available, helping to protect their software and platform investments well into the future.”

Accelerating Network Platform Evolution

Advantech’s multi-core solutions are leading the industry transformation to networking platforms that offer higher performance, increased scalability and reliability, all at lower costs.

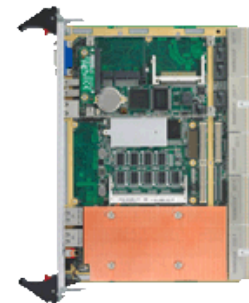


Board products will include Processor AMCs with 2nd generation Intel® Core™ Processors and Ethernet AMCs featuring Intel® 82580 Gigabit Ethernet and Intel® 82599 10 GE Controllers. The MIC-5603 AMC addresses the needs for higher performance and integration in less space, and increased memory support in virtualized environments. By utilizing the latest platform enhancements in processing capabilities and offloading technologies, architects can



consolidate multiple workloads onto a single x86 architecture. A MIC-5603-based Scalable Media Transcoder application providing insight into how Intel processors can effectively address the growing market demand for high density, high quality media transcoding and increased video traffic will be demonstrated in Intel booth 9 in the Embedded Community Zone at IDF.

Bringing the latest Intel processor technology to CompactPCI, the [MIC-3395](#) 6U CompactPCI SBC fits a wide range of markets, including telecom, semiconductor test & manufacturing equipment, and transportation. Industrial workstations and other graphics-intensive applications also benefit from the [MIC-3395](#)'s integrated graphics controller. The Intel® Advanced Vector Extension Technology (Intel® AVX) built into the Intel® Core™ i7 processor positions the [MIC-3395](#) for image and signal processing in applications such as radar, sonar, and imaging as well as for use in industrial controllers and video analytics where floating point operations are key.



System-level solutions on display include the [FWA-1305](#) Tabletop Intel® Atom™ processor-based Platform with 6 GbE LAN Ports and the [FWA-6500](#) Intel® Xeon® Processor 5500/5600 Series 2U 10 GbE Network Server. The FWA-6500 provides unparalleled application performance and packet processing throughput, making it ideal for server consolidation in network security markets. The system is deployed by OEMs for high-end Unified Threat Management (UTM) and in applications with large I/O bandwidth requirements such as quality and service control or content filtering and management.



Also using the Intel® Xeon® Processor 5500/5600 Series Processor is the [FWA-6500-WRS Data Plane Development Kit](#). The fully integrated system is a 2U enterprise appliance that includes up to 96GB of DDR3 memory and has capacity for two PCIe add-on cards and two 2.5" removable SATA HDDs. Network interfaces are highly configurable, utilizing four extension slots that can utilize a mixture of 4-port GbE, 8-port GbE, or 2-port 10 GbE network interface cards. IPMI 2.0 is fully integrated into the system for remote management, maintenance, and diagnostics. The [FWA-6500-WRS](#) runs the Wind River Network Acceleration Platform (NAP) suite and is targeted at network application software developers building advanced multi-core packet processing applications.

A 6-slot ATCA system integrating the Advantech [MIC-5322](#) with two 6-core Intel® Xeon® processors and the Intel® 82599 10 GE Controller will also be on display. With 12 cores and 24

threads of processing power, low DDR3 memory latency, fast PCI Express 2.0 and accelerated virtualization, the platform is ideally suited for Network Equipment Providers deploying both data center and carrier solutions.

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 22 countries and 64 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.com/NC

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