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## Advantech's Networks & Telecom Group Launches New Wave of Products Based on 2nd Generation Intel® Core™ Processors

Advantech, a global manufacturer of telecom computing blades and multicore network processor platforms, today announced two new products based on the latest Intel® Core™ i7 processors. The MIC-5603 AdvancedMC™ and the MIC-3395 6U CompactPCI SBC are designed to give OEMs the competitive advantage through the performance enhancements and scalability of the 2nd generation Intel® Core™ processor family. The MIC-5603 AMC with the Intel® Core™ i7 processor targets a broad range of applications where network performance, graphics or

vector processing and compute intensive tasks are required. For supervisory or control applications an optional front panel HDMI port connects to the processor's on chip controller offering integrated Intel HD graphics DX10.1 and OpenGL 3.0 capabilities or simply replaces entry-level discrete graphics for a lower BOM cost. Up to 8 GB of DDR3 1333MHz SDRAM with ECC support, in a dual channel design, makes it ideal for mission critical applications requiring low latency, reliable memory access. In addition, Advantech's leading-edge, on-board fabric mezzanine interface enhances modularity for a wider range of fat pipes and I/O choice with standard or custom modules.

External Ethernet connectivity is via two dedicated GbE front panel ports from the Intel® 6 series chipset and onboard Intel® 82580 quad port LAN controller, which in turn provides two additional GbE ports to the AMC base fabric and one to the Fabric Mezzanine. The Intel 6 series chipset

brings new and enhanced remote management capabilities with KVM over LAN as well as introducing faster I/O than previous generation designs with SATA-III to AMC ports 2-3 and PCIe x4 gen.2 to the gold fingers. An optional fabric mezzanine based Intel® 82599 connects dual 10 GbE to the fat pipes, positioning the AMC for cost effective offload capabilities with best-in-class virtualization and acceleration. The MIC-3395 6U CompactPCI SBC follows on the success of the MIC-3392 blade using low power mobile processor technology and offers an upgrade path with higher levels of performance and richer features. The board fits in a single 4HP slot and expands memory capacity to up to 4GB on board DDR3 with ECC support and one SO-UDIMM module for up to a further 8GB.

I/O expansion is ensured via an XMC slot whilst mass storage is available with onboard 2.5" SATA-III support, onboard CompactFlash and RTM-based SAS storage options. Six

independent gigabit Ethernet ports cater for a wide range of integration options with dual GbE connectivity to front, rear and PICMG 2.16 ports.

The blade fits a wide range of markets in addition to telecom, in particular in semiconductor test & manufacturing equipment, transportation and industrial workstations which will benefit from the integrated graphics controller. The Intel® Advanced Vector Extension Technology (Intel® AVX) built in to 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.

Both products will be available for OEM sampling in the first quarter 2011 with comprehensive software support from Advantech's ecosystem alliance partners for Carrier Grade Linux and RTOS ports.

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