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**Advantech 1U Server Extends Carrier Grade Product Line**

***New Platform offers unique balance between processing power and offload for reliable and cost effective telecom platform designs***

**Irvine, CA, April 1, 2014** – Advantech today rolled out a new addition to its carrier-grade, NEBS-compliant server line in a flexible and compact 1U package with a depth of just 20”. The CGS-3000 is optimized for the needs of network equipment and telecom service providers. It is designed to address next-generation applications in an evolving network infrastructure with demanding offload and I/O requirements. For equipment manufacturers and operators who need reliable carrier-grade computer systems, the CGS-3000 carrier-grade server, powered by a single CPU from the Intel® Xeon® Processor E3-1200 v3 series, is a cost optimized platform designed to balance processing performance with maximum PCIe I/O on adapters from Advantech and qualified ecosystem suppliers.

For example, the CGS-3000 can be used as an SDN middlebox or SDN gateway when equipped with Netronome NFE-3240 PCIe adapters and software. For video transcoding in the cloud, adapters from Advantech's DSP division offer significant acceleration for HEVC and H.264 transcoding and can also be used as highly efficient media gateways for OEM deployment. Advantech’s new range of industrial Network Interface Cards (NICs) with Advanced LAN bypass features and its PCIE-3214 quad Intel® QuickAssist Acceleration Card turn the platform into a WAN optimization controller or cloud security gateway amongst others.

“The CGS-3000 extends the scalability of our carrier grade server product line and drives greater cost efficiencies when control plane and application performance is less-demanding.” said Paul Stevens, Marketing Director, Advantech Networks and Communications Group. “Similar platforms in the industry are based on dual processor designs and when combined with integrated, specialized PCIe adaptors carry unnecessary cost overhead.”

The CGS-3000 supports memory configurations up to 32GB. In addition to common management ports such as USB, Console, VGA and two management Ethernet ports, it also comes with 6 Gigabit Ethernet ports pre-integrated on to the motherboard for maximum cost efficiency and density. Advanced LAN bypass is available as an option supporting applications which need advanced fail-to-wire in virtualized and non-virtualized environments. Two high performance extension slots with 3rd generation PCI Express interfaces are available for the integration of full-height, full-length PCIe cards.

The platform is designed from the ground up to provide greater robustness and meet more stringent environmental conditions while complying to reduced rack depths where required. The CGS-3000 supports a Telecom Alarm module and integrates high-availability features including redundant, hot-swap AC and DC power supplies, a field serviceable front air filter and redundant field replaceable fan trays, assuring reliable operation in five nines environments. Key features such as advanced carrier grade remote management and redundant BIOS or firmware images for fail safe updates all bring increased reliability and serviceability advantages to customers.

A CGS-3000H system variant caters for higher processing and offload power, and cooling requirements where NEBS environments do not apply such as in industrial and enterprise applications.

For equipment providers who need server longevity or require strict BOM control and change management, the new servers are designed for industrial life cycles of between 5 and 7 years and a full range of life cycle management services are available.

For more information concerning the CGS-3000 please email ECGinfo@advantech.com.

**About Advantech** – Founded in 1983, Advantech is a leader in providing trusted, innovative products, services, and solutions. Advantech offers comprehensive system integration, hardware, software, customer-centric design services, embedded systems, automation products, and global logistics support. Our mission is to enable an intelligent planet with embedded computing products and solutions that empower the development of smarter working and living. With Advantech, there’s no limit to the applications and innovations our products make possible. 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)

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