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COREDGE NETWORKS RELEASES NEW MICROTCA GPS CLOCK MODULE

Allows use of MicroTCA systems for wireless applications

Boston, MA June 19, 2007 – To support next generation AMC and MicroTCA-based wireless base stations, CorEdge Networks is releasing its CEN-CLK-G clock module for general availability. Wireless data communications protocols, such as WiMAX, require synchronization with Global Positioning System (GPS) clock sources. The CEN-CLK-G is an optional daughter card that mounts to the leading MicroTCA Carrier Hub (MCH) products from CorEdge Networks to support GPS clock based applications.

The CEN-CLK-G recovers a 1PPS signal from an external GPS clock source from the MCH front panel or MicroTCA backplane and drives/distributes this clock or a locally generated 30.72MHz clock to up to 12 AMCs. It provides extremely precise and reliable GPS clock synchronization using a temperature compensated voltage controlled crystal oscillator (TCVCXO) with a 30.72MHz center frequency and a stability of less than 5 parts per million (PPM). The module output can be a 1 PPS clock that is derived from the GPS satellite network and/or a phase controlled and aligned 30.72MHz clock from the 1 PPS input. In addition to the WiMAX clocks, the CEN-CLK-G card also has the ability to generate a spread-spectrum 100MHz PCI-Express fabric reference clock. The distribution of these clocks can be enabled or disabled through software control.

Because the CEN-CLK-G mounts to the CorEdge MCH, it removes the requirement to support an external clock card AMC; and as such, it enables developers to maximize the number of free AMC slots available in the MicroTCA system. The modular and dense packaging design of the CorEdge MCH supports the CEN-CLK-G with the “base” MCH and an additional MCH fabric module for fat-pipe switching.

“Integrating the GPS functionality as a daughter card on the MCH enables our customers to produce the most compact and cost-efficient MicroTCA WiMAX base stations,” said Will Chu, president of CorEdge Networks. “The GPS daughter clock module, in addition to our existing PCI-Express and Telco modules, provides users with a largest array of clock modules in the industry. A number of our early customers will beta test their WiMAX based MicroTCA base station using our GPS-enabled MCH.”

The CEN-CLK-G clock will be sold as an option with the CorEdge Networks MCH (CEN-MCH) and different switch fabric modules. It is not being sold as a stand-alone product.

Pricing for MCHs using the GPS clock have not yet been announced.



About CorEdge Networks

CorEdge Networks is a leading supplier of ATCA/MicroTCA/AMC/IPMI compliant infrastructure products including the industry's first MicroTCA Carrier Hub (MCH), 10GbE MCH, MicroTCA Power Module, PicoTCA development platform, 10Gbps and 20Gbps FPGA-based AMCs and full ATCA Cutaway Carrier. CorEdge Networks customers include a number of leading telecom, military and embedded systems companies. Most MicroTCA working deployments use one or more CorEdge Networks components. For more detailed information on CorEdge Networks, see www.coredgenetworks.com.

CorEdge Networks MicroTCA Products

CorEdge Networks' MicroTCA product line includes boards as well as test/development systems. At the board level, CorEdge Networks produces the industry's only standards-compliant *MicroTCA Carrier Hub (MCH)*, which provides management of a MicroTCA chassis and up to 12 AMCs, and supports various networking and clocking functions. The CorEdge Networks MCH currently supports one of three different *clock modules* that enable Telco, PCI-Express or GPS/WiMAX applications. *Fabric MCH modules* will support 10GbE, PCI-Express or SerialRapidIO 'fat pipe' switching. The MCH interoperates seamlessly with CorEdge's *Power Module*, which provides MicroTCA power management/distribution.

To support MicroTCA system developers, CorEdge Networks has produced the industry's only series of ultra-small form-factor *PicoTCA* systems. The *CEN-PICO-1US* is a complete "standalone" AMC and MicroTCA Test and Development System that provides engineers and system designers with a cost-effective tool to aid in the development, design, debug and test of AMC and MicroTCA systems. It includes a System/Power Controller that enables users to quickly "bring up" AMCs in a MicroTCA-like environment to facilitate AMC development. The Pico 1US is extremely compact, measuring 13.0" (w) x 8.0" (d) x 1.75" (h) [1U].

CorEdge Networks' PicoTCA chassis are stackable up to 4U while sharing a unified management and power system. For engineers needing greater access to functions in the testing of an individual AMC, an engineering test version with a Rear Transition Module is available. A 19" rack-mountable system that supports additional AMC modules will be available later this year.

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CEN-CLK-G