

CorEdge Networks Demonstrates Virtex-5 LXT Powered Programmable 20 Gbps Port Processor AMC for MicroTCA and ATCA

Only working 20 Gbps FPGA-based AMC card with flexible logic engine

BOSTON, Mass. – June 25 (SEND2PRESS NEWSWIRE) – At the NXTComm 2007 communications conference, CorEdge Networks Inc., the industry's leading developer of critical path components for MicroTCA, demonstrated the industry's first working 20 Gbps CEN-RL20 reconfigurable single-width AdvancedMC (AMC) line card, using the new Xilinx Virtex(TM)-5 LX110T FPGA (field programmable gate array) chip.



By leveraging the substantially higher logic density of the Virtex-5, CorEdge Networks will be able to allow third parties to port their custom software onto the same Virtex-5 chip with CorEdge's Bitstream Processor core. The result will be a highly flexible platform that facilitates both rapid AMC development as well as cost-effective production boards.

The CEN-RL20 with the Xilinx Virtex-5 LX110T is unique in several important ways:

- * It is the only commercially available AMC card that supports up to two (2) 20Gbps (40Gbps bi-directional) serial connections from the modular front panel I/O and configurable backplane interfaces to the Xilinx Virtex-5 FPGA. As such, the CEN-RL20 can be used seamlessly with the 10GbE switch fabric MCH module of the new CorEdge Networks 10GbE MicroTCA Carrier Hub in next generation 10GbE systems (also being demonstrated at NXTComm).
- * It can be programmed with off-the-shelf IP, customized design IP and CorEdge Networks Bitstream Processor technology. The CorEdge Networks Bitstream Processor supports multiprotocol bridging between serial (1GbE, 10GbE, Serial RapidIO, PCI-Express, etc) and/or parallel (SPI4.2, PCI, GMII, RGMII, QDR, DDR, LA1, LA2, etc) data types augmented with wirespeed packet processing functions such as encryption/decryption, packet filtering, traffic management, etc.
- * Its modular design supports various I/O PHY and co-processor daughter cards. I/O PHY daughter cards options include 4x1GbE, 2x10GbE and GPON (Gigabit Passive Optical Network).
- * It can be used as a 20Gbps test signal generator and data probe.

“We at Xilinx are particularly happy to be working with CorEdge Networks and consider them a central player in the MicroTCA ecosystem,” said Amit Dhir, Director of Infrastructure Vertical Marketing at Xilinx. “The CorEdge Bitstream Processor is an impressive combination of multiprotocol capability, programmability and wirespeed performance.”

About CorEdge Networks

For more detailed information on CorEdge Networks, see <http://www.coredgenetworks.com>.

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