Press Release

July 2010
FOR IMMEDIATE RELEASE
CONTACT: Pauline Lightburn
TEL: 01606 351006

New µTCA FPGA based Digitizer Solution

July 2010, Northwich, Cheshire, Kane Computing Ltd (KCL) have announced the availability of µDigitizer, a new range of µTCA FPGA based processing and digitizer solutions.

µDigitizer solutions are customizable, embedded solutions incorporating tremendous FPGA logic and memory, and that combine high-speed, multi-channel A/D and D/A I/Os. Based on the µTCA architecture, µDigitizer offer limitless channel expansion possibilities and the number of AMC slots necessary for any specific application.

The µDigitizer 250 is an entry level dual slot system providing an FPGA based multi-channel, high-speed digitizer utilizing the Lyrtech Perseus 6010 Virtex-6 based Advanced Mezzanine Card (AMC) and the ADAC250 FPGA Mezzanine Card (FMC) with one dual 14-bit 250 MSPS ADC and a dual 16-bit, 1GSPS DAC, providing a very cost effective and competitive solution for applications where space is an issue.

µDigitizers are capable of up-linking and down-linking streams of data to a remote computer running on Linux or Windows through high-speed GigE interfaces or can use standalone embedded PC configurations.

µDigitizers also benefit from ultra-high bandwidth cross-point links between FPGA elements through the µTCA backplane, making it possible to add DSP algorithms that can be simultaneously applied to all system channels – useful in such applications as MIMO telecommunications and medical imaging.

µDigitizers integrate a complete array of tools and capabilities for added efficiency and ease of use, such as: seamless integration to MATLAB/Simulink; standalone operation; complete Lyrtech FPGA framework, including embedded Linux MicroBlaze Ethernet Server; tools for real-time GigE data exchanges between a host device CPU (Linux or Windows) and GigE data streaming (PCIe available for embedded PC).

For more information please contact: Miss Pauline Lightburn on Tel; 01606 351006
Fax: 01606 351007, E-Mail:pauline@kanecomputing.com
www.kanecomputing.co.uk
Kane Computing Ltd - 7 Theatre Court, London Road, Northwich, Cheshire, CW9 5HB

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About Lyrtech

Lyrtech (www.lyrtech.com) develops and manufactures advanced digital signal processing solutions for companies worldwide, a vital technology to network and wireless communications, audio and video processing, as well as electronic systems in all fields of technology. Lyrtech offers a full range of DSP-FPGA development platforms, as well as design, prototyping, and manufacturing of electronic products through its Innovator division. From the company's state-of-the-art 4,645-m^2 (50,000-ft^2) facility, Lyrtech's Innovator division offers prototyping services, new product introduction services, turnkey assembly, box build assembly, and other electronic manufacturing services, providing customers with a quality production run of highly complex products with a fast turnaround. Lyrtech works in partnership with industry leaders such as Texas Instruments, The MathWorks, and Xilinx. Lyrtech's customers include many prestigious names of the consumer electronics, telecommunications, aerospace, and defense fields such as BAE Systems, Defence Research and Development Canada (DRDC), the European Aerospace Defence and Space Company (EADS), Fujitsu, Harris, ITT, Motorola, Neural Audio, NTT DoCoMo, and Samsung-Thales.

About Kane Computing

KCL (www.kanecomputing.co.uk) has been providing Image Processing, DSP and high performance computing products for use in industry, education and research since 1987 and is a Texas Instruments Third Party Partner specialising in consultancy and advice on TI development tools/platforms and image processing applications. KCL have extensive knowledge and experience of providing video compression solutions for many industries particularly for digital video security and high quality broadcast applications. KCL has a policy of continual improvement and operates its business in accordance with the requirements of ISO9001:2000.

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