

## **12 DSP CORES, 6 GHz PERFORMANCE, 1 PLATFORM SOLUTION**

Sundance Launches New Family of Multicore Developer Platforms with the Debut of the EVP6472-941. Integrates Best Power Performance Multicore DSPs from TI Delivering Cost-Performance Leadership for High Intensity Processing Applications.

Cheshire, UK – 4<sup>th</sup> October 2010 – Kane Computing Ltd (KCL) are pleased to announce that Sundance, the leading supplier and manufacturer of advanced digital signal processing and reconfigurable FPGA systems, today announced customer shipping of the first product from its new family of Multicore Developer Platforms (Sundance MDP). The EVP6472-941 is directly targeted at the new breed of high intensity processing applications where performance and energy efficiency are critical. Early adopter applications include digital recording, software defined radio (SDR), software reconfigurable applications in signals intelligence (SIGINT) and military communications (MILCOM) platforms.

The compact form factor EVP6472-941 features two Texas Instruments (TI) TMS320C6472 multicore DSPs with twelve TMS320C64x+™ processor cores clocked at 500MHz for real time processing tasks. A Xilinx Virtex-5 FX30T FPGA provides the co-processor, with an embedded PowerPC440 processor core and a quad channel 14-bit ADC sampling at up to 250 MSPS. The EVP6472-941 offers two DDR2 SDRAM memory banks of 256MB assessable by each C6472 processor.

“The advantages of multicore architectures are being increasingly embraced by the design community and TI’s C6472 delivers important improvements in performance, integration and density, along with efficiencies in power, cost and board space,” said Sandeep Kumar, business manager with Texas Instruments’ multicore and media infrastructure business. “As a member of our Developer Network, the new Sundance range of Multicore Developer Platforms makes it easier for developers and OEMs building the very highest performance applications to tap into the potential of the C6472.”

The EVP6472-941 is supplied with a complete board support package including the USB drivers, software functions and API for Windows. Essential tools are TI’s Code Composer Studio 4.x that is supplied free of charge with the XDS100 USB JTAG Emulator for the C6472 DSP processor. Xilinx ISE development software can be downloaded from [xilinx.com](http://xilinx.com) to target the Virtex-5 FX30T FPGA.

For more information please contact: Miss Pauline Lightburn on Tel; 01606 351006

Fax: 01606 351007, E-Mail: [pauline@kanecomputing.com](mailto:pauline@kanecomputing.com)

[www.kanecomputing.co.uk](http://www.kanecomputing.co.uk)

Kane Computing Ltd - 7 Theatre Court, London Road, Northwich, Cheshire, CW9 5HB

A range of third party design tools for TI DSP and Xilinx's FPGA also support the EVP6472-941; including 3L's Diamond Multiprocessor Tool-Suite, RTW-EC and HDLCoder from The MathWorks™, comprehensive VHDL and Verilog support from EDA vendors, and Co-Developer and a growing range of IP-Cores from Impulse.

Extensive general purpose input/output (GPIO) connectors are available with the EVP6472-941. Sundance Local Bus (SLB) interface to customize input/output (I/O) signals, four RS-232 ports, Gigabit Ethernet connection, LVTTTL lines for synchronization, MicroSD Flash socket as an extension of the on-board Flash memories and JTAG headers to enable DSP and FPGA debugging.

"As we continue to see an uptick in business confidence and design starts, the launch of the EVP6472-941 signals a new generation of high intensity platform solutions architected around the C6472," said Flemming Christensen, Managing Director of Sundance Multiprocessor Technology Ltd. "Development of the EVP6472-941 reflects the strength of our collaboration with TI. As we roll out the new family of Multicore Developer Platforms (MDPs), customers will have even greater flexibility to configure a platform solution that fits their power, performance and cost budgets."

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#### Editor Note

Images of the EVP6472-941 can be found at:

[http://www.evp6472.com/product\\_info.php?cPath=47&products\\_id=99](http://www.evp6472.com/product_info.php?cPath=47&products_id=99)

#### About Sundance

Sundance designs, develops, manufactures and markets internationally high performance signal processing and reconfigurable systems for original equipment manufacturers in the wireless and signal processing markets. Leveraging its multiprocessor expertise and experience, Sundance provides OEM with modular DSP and FPGA-based systems as well as data acquisition, I/O, communication and interconnectivity products that are essential to multiprocessor systems where scalability and performance are essential. With over fifty different modules and carriers for PCI, cPCI VME and Stand Alone platforms, Sundance is a solution provider to semiconductor, pharmaceutical and factory automation industries. Sundance, founded in 1989 by the current directors, is a member of the TI Third Party Program, Xilinx Alliance Partner and MathWorks' Connection programs. For more information visit [www.sundance.com](http://www.sundance.com).

#### About the Texas Instruments Developer Network

Sundance is a member of the TI Developer Network, a community of respected, well-established companies offering products and services based on TI analog and digital technology. The Network provides a broad range of end-equipment solutions, embedded software, engineering services and development tools that help customers accelerate innovation to make the world smarter, healthier, safer, greener and more fun. [www.ti.com/dspdevnetwork](http://www.ti.com/dspdevnetwork)

#### About Kane Computing

KCL ([www.kanecomputing.co.uk](http://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.

For more information please contact: Miss Pauline Lightburn on Tel; 01606 351006

Fax: 01606 351007, E-Mail: [pauline@kanecomputing.com](mailto:pauline@kanecomputing.com)

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