

PRESS RELEASE

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Sundance goes Rocket Serial Links with Xilinx I/Os

SUNDANCE

RENO, NEVADA – February 07, 2005 - Sundance, a worldwide supplier and manufacturer of advanced signal processing and reconfigurable computing systems, today announced the availability of a new series of embedded OEM products, the [SMT351](#), [SMT-338-VP](#), and the [SMT398-VP](#). Based on Xilinx® Virtex-II Pro™ field programmable gate arrays (FPGA), these small form-factor embedded reconfigurable computing modules address the growing need for standards-based reconfigurable computing and signal processing systems.

Compatible with Sundance wide range of embedded modular systems, this new series of products leverages the power of Xilinx® Virtex-II Pro™ as an embedded processor as well as Xilinx's Rocket IO™ multi-gigabit serial transceivers as high-speed connections and inter-module communications. Targeting customers who are required to design custom embedded systems and applications, this group of products provides OEMs with the basic elements to build custom systems and include memory, communication controller, and a reconfigurable computing modules.

"Many of our customers' systems include specialized IP core that they have to design themselves. Rather than wasting their precious design resources on hardware development, this product line provides them with an integrated flexible system and hardware architecture which they can customize to meet their specifications," said Flemming Christensen, Managing Director of Sundance. "The Xilinx Rocket IO transceivers offers the ultimate in programmable, fast intersystem communications, and the embedded IBM PowerPC™ in Virtex-II Pro provides them with the general purpose processor which allows developers to focus strictly on applications and FPGA IP core issues."

All of the three modules use Rocket IO™ as the main serial communication link in addition to other resources such as Sundance High speed Bus (SHB) or LVDS for parallel connections. The data flows in and out of the modules are controlled by a Xilinx® Virtex-II Pro™ and through user defined pins. The memory module, SMT351, supports a throughput of up 400MB/second and has 1Gbyte of DDR-SDRAM. The SMT398, provide an integrated DSP communication platform with on-module high-speed QDR-SDRAM between the Virtex-II Pro™, and the SMT338 is the main I/O module with it's own microcontroller, ADC/DAC and 120 pins of LVDS input/output through the Sundance LVDS Bus

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"We are impressed by the way Sundance has used our latest RocketIO technologies to develop an effective and modular FPGA standard-based product line," said Per Holmberg, Director of Virtex Marketing at Xilinx. "The interoperability of Sundance's module provided by the Xilinx RocketIO and high bandwidth programmable interfaces has allowed Sundance's to design compatible Virtex-based reconfigurable systems that leverage high-speed serial links and provide a solution to an increasing number of signal and image processing applications."

These highly integrated, compact, and reconfigurable modules can be cascaded with other compatible modules through Sundance high-speed bus or through Rocket IO™ links, and create a larger, parallel and scalable embedded system.

"This Sundance new release further enhances the ability of their product line to address a variety of different and very demanding signal and image processing problems," said Pierre Popovic, President of Cadre Codesign Inc. "the interchangeability and flexibility that Sundance's reconfigurable computing system provides is key to our development environment."

The SMT351, SMT-338-VP, and the SMT398-VP are available for delivery and their pricing in US \$ starts at \$2,995, \$1,985, and \$6,295, respectively. Evaluation units and volume pricing are also available

About Sundance

Sundance is a UK-based, ISO 9000 Compliant, independent company headquartered Chesham, U.K., and with offices in the United States and Italy. The company designs, develops, manufactures and markets 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 so essential to multiprocessor systems where scalability and performance are important. 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 Xilinx Xperts and MathWorks' Connection program member.

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