

# PRESS RELEASE

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# Texas Instruments TMSC6416™ 1-GHz DSP Powers New Sundance Software Defined Radio Platforms

SUNDANCE

**Reno, Nevada, USA, (July 26, 2004)** – Sundance Digital Signal Processing Inc., the world's leading manufacturer of DSP and FPGA based data acquisition and processing solutions, today introduced a pair of new Software Defined Radio (SDR) platforms, [SMT8036](#) and [SMT8036E](#). Both the SMT8036 and SMT8036E deliver an integrated solution for capturing and outputting "I" and "Q" signals, and can be used for rapid prototyping of SDR applications. Each is supported across multiple architectures including PCI, cPCI and VME, in addition to a stand-alone format for embedded applications.

"These platforms provide OEMs with flexible and scalable hardware and software tools for developing software radios," Sundance CEO and President Dr. Nory Nakhaee said. "They are built on the success of Sundance data acquisition and processing modules that offer flexibility, performance and functionality necessary for OEMs to design their own systems."

The SMT8036 and SMT8036E are powered by the Texas Instruments TMSC6416™ 1-GHz DSP and the Xilinx XC2V1000, XC2V2000 or XC2V6000 Virtex II FPGAs, which are user programmable for custom algorithms. Signal acquisition is facilitated by two channel digitisers each operating at up to 105 MHz sampling rate. Dual channel D/As provide 400 MSPS interpolated output each.

"TI's 1-GHz DSP is a powerful vehicle for any DSP application, and it offers developers a particularly robust and flexible solution when programmed for the Sundance SDR platforms," said Texas Instruments TMS320C64x DSP Marketing Manager Thomas Brooks.

To promote further research in the field of software radio, Texas Instruments and Sundance are offering an SDR developer kit to all universities in the USA and Canada.

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This specially-priced package is available for \$6,500 and includes copies of all Sundance software, a copy of Texas Instruments' Code Composer Studio™ IDE, plus all necessary hardware. For more information about the kit, visit <http://sundance.com/offerUSA/index.htm> .

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**About Sundance**

Sundance is a leader in the design, development and manufacturing of high performance DSP, FPGA, Data Acquisition, I/O and Communication hardware. Its modular products and interconnectivity are essential to multiprocessor systems where scalability and performance are of utmost importance. With over 50 different modules and carriers for PCI, cPCI VME and Stand Alone platforms, Sundance provides solutions to various industries such as semiconductor, pharmaceutical, and factory automation. Sundance was founded in 1989. The company is headquartered in Chesham, U.K., with offices in the United States and Italy. Sundance is ISO 9000 compliant.

**About the Texas Instruments Third Party Program**

Sundance is a member of the TI TMS320™ third party network, the most extensive collection of DSP development support in the world. With more than 650 independent companies and consultants, TI's customers have easy access to a broad range of application software, development hardware/software and consulting services. For more information on the TI third party network, please visit: <http://www.ti.com/3p>

This press release is available at: <http://www.sundance.com/docs/s8036.pdf>