

PRESS RELEASE

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Latest Modules Running on TI's 1-GHz DSP

FOR IMMEDIATE RELEASE

Houston, TX. Sundance's Adoption of 1-GHz TMS320C6416 DSP Provides 10-Fold Performance Increase and Added Flexibility to a Broad Range of its Systems and hardware, Including the SMT365G.

Sundance announced today its SMT365G board based on the newly released Texas Instrument's (TI) 1-GHz TMS320C6416TTM DSP. This board reaches a new level of performance for Sundance's range of hardware boards covering more than 60 modules and five different carrier cards. These include PCI, PXI, VME, cPCI, PC-104, and 'stand-alone' environments. The new SMT365G board is targeted at designers developing radar, medical imaging, image processing or similar high-speed data-processing DSP applications.

"The performance of SMT365G running at 1GHz combined with innovative Sundance support for multi-DSP will open the door for new applications that may have not have seemed possible before ," said Thomas Brooks, C6000 marketing manager, TI.

Sundance's modular design was created in the early 1990s and has continued to be backward compatible with all previous versions. The SMT365G module has a 1GHz TMS320C6416 DSP; up to 256Mbytes of memory and two million gates Xilinx XC2V2000 Virtex-II FPGA for added flexibility and performance, making this board one of the highest performance COTS hardware or DSP in the market place.

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"It took our experienced DSP engineers three years to design a truly scalable MultitDSP hardware system using the first generation of TI's 32-bit 200MHz C6201 DSPs," said Sundance CEO, Flemming Christensen, "But it only took us a few weeks to introduce the first 1-GHz DSP solution to the market and we were pleased to see that all our software worked with very little effort. Codecs running on this latest 1-GHz C6416 DSP technology typically show 10-fold performance increases compared to their 32-bit predecessors."

The SMT365G is supported by the TI's Code Composer Studio™ integrated development environment for single DSP applications. It is designed to support applications needing Multi-DSP and the 3L Diamond RTOS, providing effortless parallelization of sequential code and hassle-free control of on-chip resources, like DMA-channels, Host-PC interaction and peripheral interface.

The SMT365G has two 32-bit Sundance high-speed bus interfaces. This fast data transfer mechanism is used for either IO or Inter-DSP communication, which can be used for pipeline processing of data in applications like radar, medical imaging, image processing or similar high-speed data-processing DSP applications.

"It will be exciting to see where TI goes from here in terms of DSP performance. Sundance will look forward to integrating any new devices with the same ease and speed," Flemming added.

The Sundance SMT365G starts at \$2995.00.

Additionally, Sundance Carriers ([SMT310Q](#) for PCI bus, [SMT300Q](#) for cPCI bus, [SMT329](#) for VME bus etc.) offer compatibility with 3L Diamond RTOS and a variety of available Sundance DSP, I/O and Communication modules to provide an optimal environment for multiprocessing and multifunction systems.

For more information, pricing and availability please contact:

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About Sundance

Sundance specialises in the design and manufacture of high-performance processor modules for use in multiple processor applications. Core skills include the application of high-performance DSPs, FPGAs, PCI and Digital Video Interfaces. The company was founded by the current directors in 1989 and has offices in the USA, UK and Italy.

About the Texas Instruments Third Party Programme

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

This press release is available at <http://www.sundance.com/s365G.htm>