# SUNDANCE BUILDS-OUT PXI EXPRESS PRODUCT LINE WITH SMT712

**Sundance SMT712 Module Optimized for High Bandwidth Applications Enabled by PXI Express. Announcement Expands the Sundance 7-Series Family of PXI Express DSP/ FPGA Multiprocessor Solutions**

**London – England** - 24 February 2009 – Sundance, the leading supplier and manufacturer of advanced digital signal processing (DSP) and reconfigurable FPGA solutions today announced the expansion of its multiprocessor PXI Express offering with the immediate availability of its SMT712 Dual DAC PXI Express Hybrid Peripheral Module. The SMT712 module is a dividend of the Sundance PXI product development roadmap that was announced in October 2008. It demonstrates the Company's ongoing commitment and investment in the PXI open specification and brings extreme FPGA acceleration to PXI Express systems.

The SMT712 integrates two fast 12-bit DACs, 2 banks of 64 bit wide 300MHz DDR2 memory and 8 lanes of 2.5Gbits/s PXI Express. At the heart of the SMT712 is a Xilinx Virtex 5 LX110T device, optimized for high performance logic and advanced serial connectivity. The device features 640 User I/O, 64 DSP48E slices and can access both 1GB DDR2 memory banks to store data on the fly.

Optimized for wideband communications and radar applications the module's Dual DACs feature an update rate up to 2.3Gsps and have four 12-bit multiplexed low-voltage differential signaling (LVDS) input ports that operate up to 575MHz. They have outstanding spurious and noise performance and can be used for synthesis of wideband signals in the frequency range from DC to more than 2GHz. Their 2.3Gsps update rate allows digital generation of signals with more than 1GHz bandwidth.

"With the SMT712 we can offer our PXI Express customers a multiprocessor module that is optimized for wideband communication, radar, wireless modem and software radio, in other words the types of high bandwidth applications that are best enabled by PXI Express," said Flemming Christensen, managing director of Sundance Multiprocessor Technology Ltd. "Our choice and specification of components means the SMT712 delivers best-in-class performance and provides maximum flexibility for the systems interconnect."

As standard, the SMT712 is a 3U PXI Express peripheral module supplied with two PXI Express connectors: XP4 (PXI timing and synchronization signals); and, XP3 (x8 PCI Express and additional synchronization signals). The SMT712 dedicates 8 lanes to the PXI Express bus to give an effective bandwidth per

direction of 16Gb/s. The standard SMT712 can plug in any PXI Express Peripheral Slot or any PXI Express Hybrid Slot. Optionally, the SMT712 can be a 3U Hybrid Peripheral Slot Compatible PXI-1 Module that is supplied with the XP4 connector (PXI timing and synchronization signals) and the P1 connector (32-bit, 33MHz PCI Signals).

PXI is an open specification governed by the PXI Systems Alliance (www.pxisa.org) that defines a rugged, CompactPCI-based platform optimized for test, measurement and control. Increased support for the specification strengthens the penetration of Sundance products into markets where PXI standards conformance and rugged design are a must.

For pricing information please contact your local Sundance sales office or email enquiries@sundance.com. For more information on the PXI Systems Alliance, go to http://www.pxisa.org.

**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.

**More information:**

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