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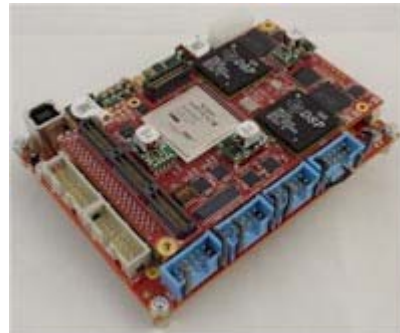
Data Processing News Update

This newsletter concentrates on recent Sundance announcements.

- [EVP6472](#) - Multicore and Multiprocessor Evaluation Platform
- [EVP6472-943](#) - SDR Platform based on C6472 multicore DSP
- [DSP464](#) - Quad channel 30MS/S, 16-bits PMC/XMC
- [DSP110](#) - PCIe carrier card for PMC/XMC and TIM Modules
- [SMT941](#) - FPGA Mezzanine Card with four 14-bit 250MSPS ADCs
- [SMT100](#) - PCI/104 Express Virtex-5 Processing Module

EVP6472 - Multicore and Multiprocessor Evaluation Platform

The EVP6472 evaluation platform features two C6472 multicore DSPs (each DSP has six C64x+ cores running at 500MHz), 512MB of DDR2 SDRAM and a Virtex-5 FX30T FPGA with embedded PowerPC 440 core. It is bundled with a 60-day evaluation version of the 3L Diamond Multicore Software design tool.



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EVP6472-943 - SDR Platform based on C6472 multicore DSP

The EVP6472-943 includes: two 500MHz C6472 multicore DSPs, Virtex-5 FX30T FPAG with PPC440; two 14-bit, 250MSPS A/C channels; two 16-bit, 800MSPS D/A channels; standalone and modular kit; full board support package and evaluation for Diamond 4.0.



[More Information](#) ▶

DSP464 - Quad channel 30MS/S, 16-bits PMC/XMC

The DSP464 is a PMX/XMC quad channel, 130MSPS, 16-bit ADC in a conduction cooled format with advanced features like a 1GHz PPC Freescale MPC8548E processor, 512MB of DDR2 memory and a large Virtex-5 FPGA resources in XC5VSX95T-FF1136 package (optional XC5VLX110T or XC5VFX100T).



[More Information](#) ▶

DSP110 - PCIe carrier card for PMC/XMC and TIM Modules

The DSP110 is a full length, advanced and versatile 8 line PCIe (PCI Express) carrier card that accepts PMC/XMC and TIM modules. A PLX PEX8624 switch chip interfaces the host PCIe lanes to the various devices and modules on the board or attached to it. The onboard TI DSP, the PMCs and the SATA interfaces can communicate with each other through their respective local PCI buses which are interfaced to this switch chip. If only PMC/XMC modules are used on the DSP110 then these modules can communicate with the host PC through their primary, 4 lanes, PCIe connection.



[More Information](#) ▶

SMT941 - FPGA Mezzanine Card with four 14-bit 250MSPS ADCs

The SMT941 features two low-power consumption Texas Instrument' ADS62P49 devices offering four-channel 14-bit A/D converters with sampling rates up to 250MSPS.

The SMT941 is a new FPGA mezzanine card complementing the large range of Sundance Local Bus (SLB) COTS solutions.



[More Information](#) ▶

SMT100 - PCI/104 Express Virtex-5 Processing Module

The SMT100 is a PCI/104-Express module designed for a variety of applications including real-time data acquisition, control and vision. It features medium and large Virtex-5 FPGA sizes in the FXT family type for embedded processing with a PowerPC 440 processor core. The FPGA is directly connected to high density DDR2 SDRAM memory for buffering and PCI Express for high bandwidth data transfers.



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