

DSP+ FPGA Experts!

SUNDANCE MULTIPROCESSOR TECHNOLOGY

eNews

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After the summer break, gear up for Virtex™-4!

September 2006

Sundance enables DSP with the latest Xilinx FPGA to realise designs:

- that demand a high ratio of signal processing to logic,
- with high-performance logic and connectivity,
- with embedded processing and high-speed Rocket-IO Serial Links.

This draws attention to our range of LX, SX and FX FPGA-base modules. They will support all your innovation-driven signal processing applications, including the next generation of wireless communication systems such as smart antennas and MIMO.

[More Details](#)



Sundance Virtex-4 FPGAs

Zoom in on FPGA-base modules

[SMT348LX160](#) is populated by a XC4VLX160 with a -11 speed grade. The FPGA allows running 16MB of QDRII at 250MHz. With 150,000 Logic Cells, it gives massive resources to tackle intensive implementations.

[SMT368SX35](#) is the middle range of the SX family with 192XtremeDSP™ slices and 8MB of ZBT. This module is suitable for Rapid FFT processing and IF processing in SDR Development Stations.

[SMT348SX55](#) is a powerful combination offering 256 GMACs processing performance with a large amount of QDRII memory. This module is the ideal companion for DSPs in real-time processing systems.

[SMT339FX60](#) is the DM642 DSP module with the XC4VFX60 coprocessor to enable Multimedia applications ranging from VoIP up to HDTV and video compression.

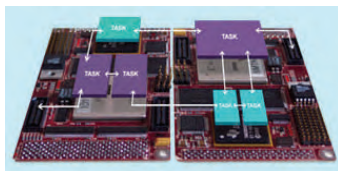
All of these modules implement the Sundance LVDS Bus to interface to the outside world or connect to Sundance's mezzanine modules (from Dual ADCs and DACs at 1Gsp/s, to Quad ADCs at 125Msp/s).

[More Details](#)

Newsletter Spotlight

- [Virtex™-4 FPGA](#)
- [FPGA-base modules](#)
- [Diamond DSP & FPGA](#)
- [Wireless MIMO paper](#)
- [Brand new Homepage](#)
- [Distributors](#)

Advanced software technology for All



Diamond for Sundance

Sundance does COTS for COST to get you to market — FAST!

But you should know that your design can get "jet wings" with [Diamond DSP design tools](#) for Sundance's modules.

Diamond DSP and FPGA helps all System designers, Hardware designers and Algorithm developers to speed up developments.

Through advanced software technology, Diamond reduces your final project costs by slashing your deadlines.

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