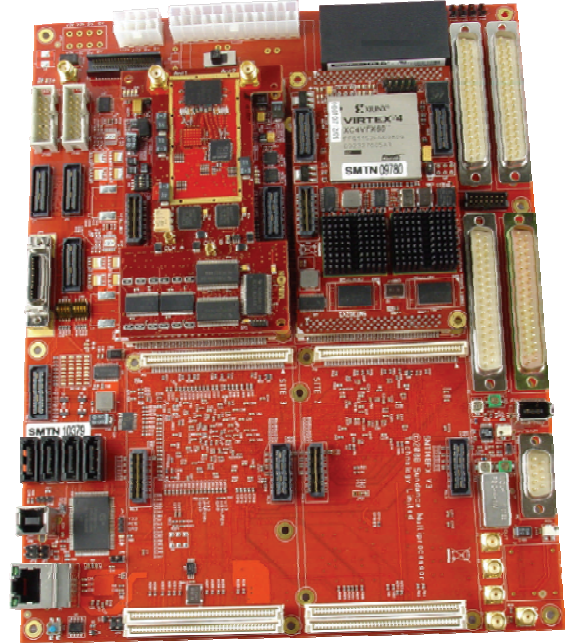
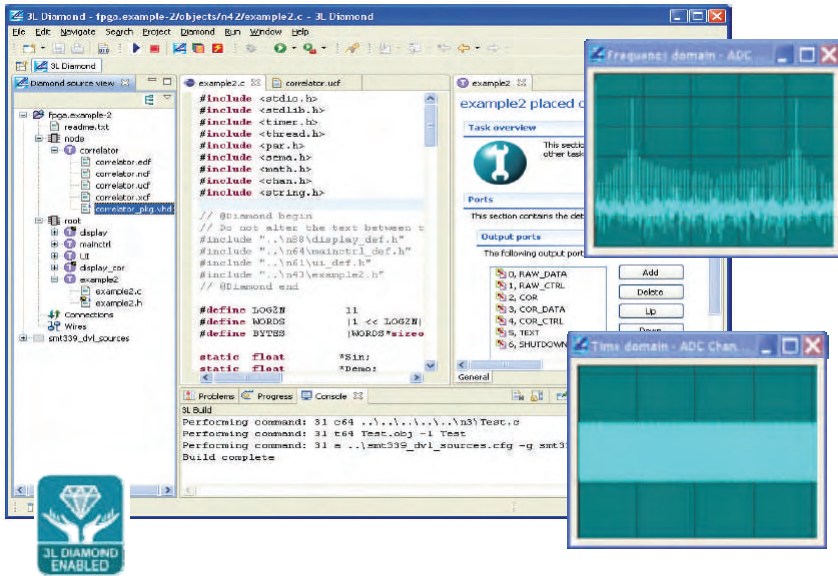


Multiprocessor MIMO_LTE Stand-Alone



Overview >>>>

Sundance's MIMO Kit is an advanced development platform featuring a complete baseband solution designed to develop "wireless" applications.

Based on a multiprocessor concept, the system is fully supported by 3L Diamond RTOS and FPGA codesign tool-suite. It is an easy-to-use task-based design model and user friendly integrated development environment.

A typical flexible 2x2 MIMO platform consists of dual RF transceivers for 2.4GHz and 5GHz ISM bands to directly connect two antennas, several analogue-to-digital and digital-to-analogue data channel converters, a combination of multi-DSP and -FPGA processor devices with dedicated memory.

MIMO is scalable to $n \times m$ MIMO channels.

Features

- Dual RF inputs MIMO platform
- Dual TI 1GHz C6455 DSP processors
- Xilinx Virtex-5 SXT or LXT FPGA
- Dual Xilinx Virtex-4 FX60 FPGA devices
- 80MHz, 10-bit A/D channels
- 200MHz, 10-bit D/A channels
- Minimum 2GB processor-dedicated DDR2
- USB2.0, Ethernet and RS-232 interfaces
- *Optional: 1U rackmount chassis (19")*

Kit Contents

Clicking on the items of the first column of the table will take you directly to the product web pages where you can download FULL information and technical documentation such as user manuals, technical specifications, etc.

MIMO	Description
MIMO LTE Kit¹	MIMO system, Dual C6455 @ 1GHz Fixed-Point DSP, Virtex-5 SXT50 & Virtex-4 FX60 , USB2 interface
CCS²	Code Composer Studio
Diamond DSP	Diamond DSP - Single DSP license, requires Code Composer Studio
Diamond FPGA	Diamond FPGA - Single FPGA license
SMT6048	USB Driver Support for SMT148-FX
Normal Price	€24.583
Special University Price	€7.375 \$10,610

- Customers will have to apply for the donation of Xilinx FPGAs part of the system. To request a Xilinx donation, please visit this webpage: http://www.xilinx.com/univ/don_program.htm and specify to have the chips delivered to Sundance.
- Texas Instruments (TI) will donate a copy of the full version of Code Composer Studio (CCS).
Europe: Sundance will take care to apply directly to TI Europe and will contact customers on this matter.
Rest of the World: The procedure is different and customers can apply directly. Please [click here](#).
TI will send CCS directly to the end-user customers both in Europe and in the Rest of the World.
- All prices above are for volume orders of 10+ units, as per our official price list

Discounted Add-Ons

Any Customer who buys a MIMO_LTE Kit is entitled to a 50% discount on the following add-ons:

Add-on Module	Description
SMT310-XDS	SMT310 XDS510 JTAG controller with 1-module site "HOST"
SMT6040	Sundance < > Simulink® Toolbox for DSP & FPGA co-design and code generation
SMT6058	Ethernet Server/Driver for SMT148-FX
PARS	Model based development tool for Parallel Application

Training Course and Technical Support

The package comes with full documentation, examples, demo applications, source code and whatever essential to provide self-training to users. On top of that, SUNDANCE offers an online Technical Support System (<http://support.sundance.com>): each customer is allocated to a dedicated private FORUM and one or more engineers will provide Support through it.

Please download the document [SUNDANCE HELP](#), which is intended to give you an overview of the hardware, firmware and software available from Sundance.

Support for TI Code Composer Studio is provided through the "ECSC" ([Customer Support Center: Europe](#)).

Where to Buy?

University.Offers@sundance.com