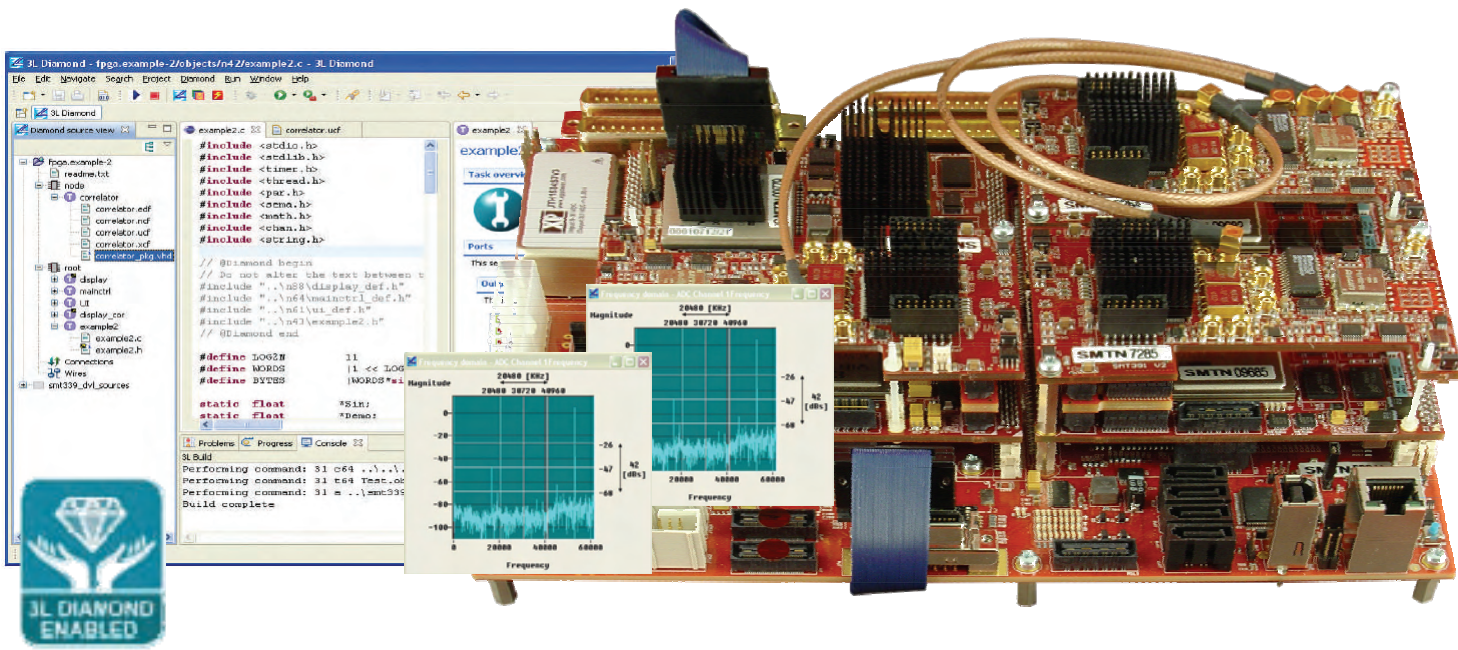


## Multiprocessor WiMAX Standalone



### Overview >>>>

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

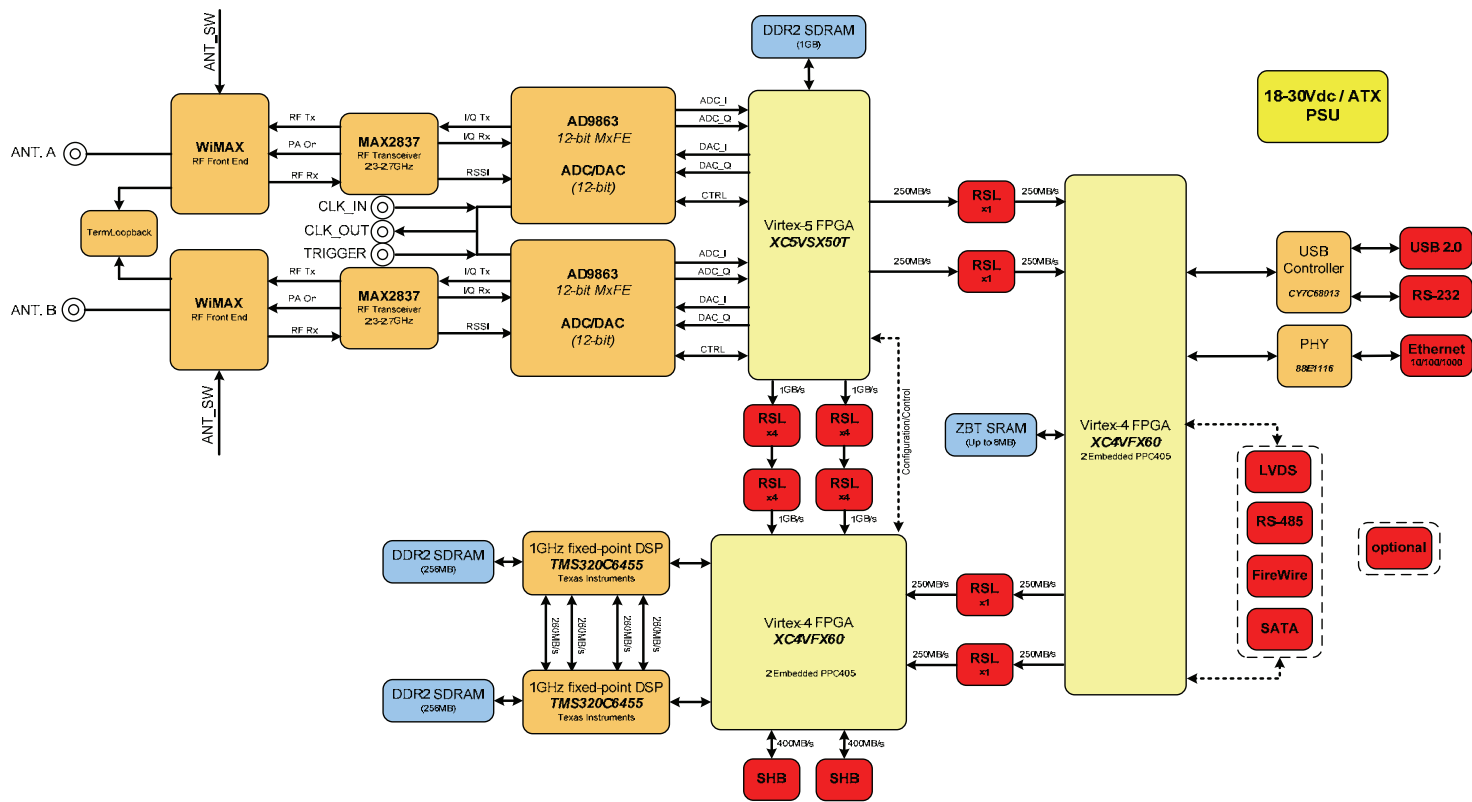
Based on a multiprocessor concept, the WiMAX is fully supported by 3L Diamond RTOS and FPGA codesign tool-suite. It is an easy-to-use task-based design model and user friendly integrated development environment.

A typical flexible WiMAX transceiver platform consists of dual RF transceivers for the band 2.3-2.7GHz 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.

### Features

- Dual RF inputs **WiMAX** platform
- Dual TI **1GHz C6455 DSP** processors
- Xilinx **Virtex-5 SX50T** FPGA
- Dual Xilinx **Virtex-4 FX60** FPGA devices
- **50MHz**, 12-bit **A/D** channels
- **200MHz**, 12-bit **D/A** channels
- **1GB** processor-dedicated **DDR2**
- **USB2.0**, **Ethernet** and **RS-232** interfaces
- **Optional: 1U rackmount chassis (19")**

# Functional block diagram



## Benefits

- About 70% Discount applied
- Modularity, flexibility, scalability & upgradability
- All required software included
- Online “Getting Started Support”

## Applications

- SDR research
- WiMAX basestation prototyping
- WiMAX test communications
- Military & public safety telecoms
- Wireless cellular prototypes
- Waveform implementation

# 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.

WiMAX	Description
<a href="#">WiMAX Kit<sup>1</sup></a>	WiMAX system, Dual C6455 @ 1GHz Fixed-Point DSP, Virtex-5 SXT50 & Virtex-4 FX60 , USB2 interface
<a href="#">CCS<sup>2</sup></a>	Code Composer Studio
<a href="#">Diamond DSP</a>	Diamond DSP - Single DSP license, requires Code Composer Studio
<a href="#">Diamond FPGA</a>	Diamond FPGA - Single FPGA license
<a href="#">SMT6048</a>	USB Driver Support for SMT148-FX
<b>Normal Price</b>	<b>€23.350</b>
<b>Special University Price</b>	<b>€7.005 \$10,080</b>

- Customers will have to apply for the donation of Xilinx FPGAs part of the system.  
To request a Xilinx donation, please check out this webpage: [http://www.xilinx.com/univ/don\\_program.htm](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 WiMax Kit is entitled to a 50% discount on the following add-ons:

Add-on Module	Description
<a href="#">SMT310-XDS</a>	SMT310 XDS510 JTAG controller with 1-module site "HOST"
<a href="#">SMT6040</a>	Sundance < > Simulink® Toolbox for DSP & FPGA co-design and code generation
<a href="#">SMT6058</a>	Ethernet Server/Driver for SMT148-FX
<a href="#">PARS</a>	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](mailto:University.Offers@sundance.com)