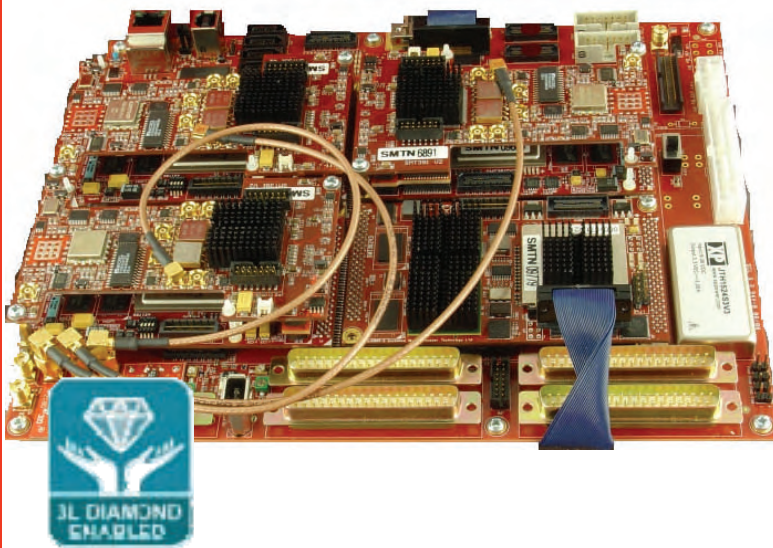


## Multi-channels Radio System



- Two **1GHz A/D** digitizer channels
- Onboard **Virtex-5** and **Virtex-4**
- Dual **C6455** DSP engine
- Embedded **PowerPC** co-processors
- External **Clock** synchronisation
- **1U** compliant **19"** chassis

### Overview >>>>

*The Radio Giga development platform from Sundance provides designers with a Cross Technology Platform (XTP) that is flexible, user configurable by processing fabric, architecture, communication ports and protocol.*

Radio Giga XTP integrated cutting edge multiprocessing technologies and backwards compatibility with already deployed architectures.

Up to six low-power GHz A/D channels enable RF-to-baseband processing applications with an architecture based on a mixed of dual 1GHz C6455 TI cores, multiple Xilinx Virtex-5 and Virtex-4 reconfigurable nodes and embedded PowerPC.

Being 1U compliant, Radio Giga delivers incredible rack real-estate efficiencies and offers both Gigabit Ethernet and USB interconnect.

### Features

- Two C6455 fixed-point processors
- Fastest Xilinx Virtex™-5 SXT FPGA
- High-density DDR2 SDRAM (64-bit)
- Two 8-bit, 1GSPS A/D converters
- Sampling rate from 50MHz to 1GSPS
- 2GSPS sampling with interleaving mode
- USB interface to HOST computer
- Supported by 3L Diamond IDE design tools



# 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.

RadioGIGA	Description
<a href="#">"RadioGIGA" Kit<sup>1</sup></a>	Radio Giga system, Beyond 3G, High speed multi ADC, Dual C6455 @ 1GHz, 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
Normal Price	€22.533
Special University Price	€6.760 \$9,726

1. 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.
2. 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.
3. All prices above are for volume orders of 10+ units, as per our official price list.

## Discounted Add-Ons

Any Customer who buys a RadioGIGA 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)