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Resources and Tools ˅   Education Content ˅   Wiki Help ˅   Wiki Tools ˅   search wiki

✅ This version (05 Jun 2018 16:17) was *approved* by mhennerich.
The Previously approved version (22 Nov 2017 17:00) is available. 🏞️

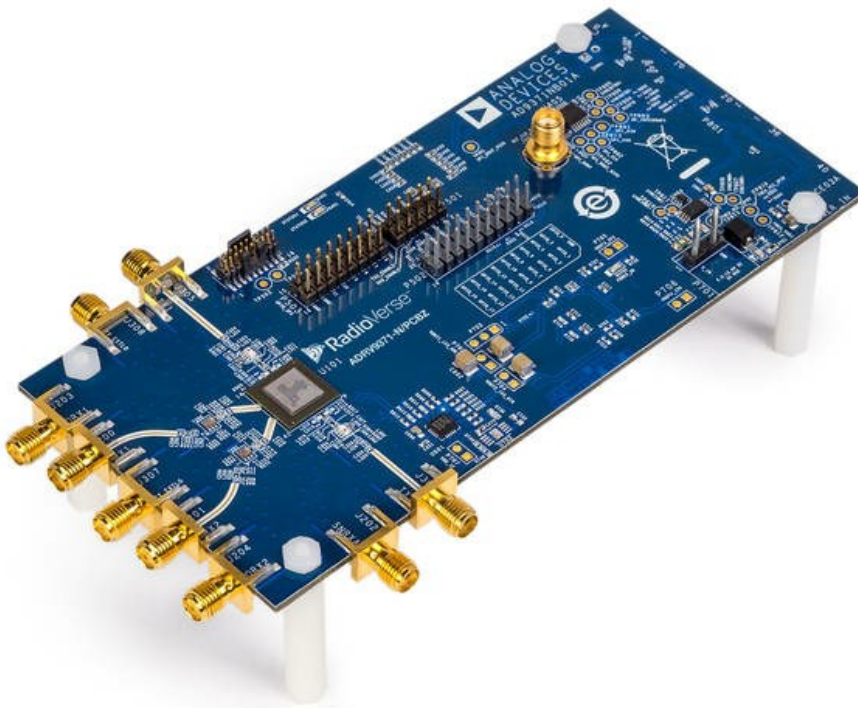# AD9371 & AD9375 Prototyping Platform User Guide

The ▶ADRV9371-W/PRBZ, ▶ADRV9371-N/PCBZ and ▶ADRV9375-N/PCBZ are FMC radio cards for the ▶AD9371 respectively ▶AD9375, a highly integrated RF Transceiver™. While the complete chip level design package can be found on the the ▶the ADI web site, information on the card and how to use it, the design package that surrounds it, and the software which can make it work can be found here.

Table of Contents

People who follow the flow that is outlined, have a much better experience with things. However, like many things, documentation is never as complete as it should be. If you have any questions, feel free to ask.

1. Use the board to better understand the AD9371/AD9375
   1. What you need to get started
   2. Quick Start Guides
      1. Linux on ZC706
      2. Configure a pre-existing SD-Card
      3. Update the old card you received with your hardware
3. Linux Applications
   1. IIO Scope
      1. AD9371/AD9375 IIO Scope View
      2. AD9371/AD9375 Control IIO Scope Plugin

Videos

Software Defined Radio using the Linux IIO Framework

| ▶ | 00:00 / 00:00 | | ◀ |

ADI Articles

- Four Quick Steps to Production: Using Model-Based Design for Software-Defined Radio
  - ▶Part 1—the Analog Devices/Xilinx SDR Rapid Prototyping Platform: Its Capabilities, Benefits, and Tools
  - ▶Part 2—Mode S Detection and Decoding Using MATLAB and Simulink
  - ▶Part 3—Mode S Signals Decoding Algorithm Validation Using Hardware in the Loop
  - ▶Part 4 - Rapid Prototyping Using the Zynq SDR Kit and Simulink Code Generation Workflow

MathWorks Webinars

- 🌐Modelling and Simulating Analog Devices' RF Transceivers with MATLAB and SimRF
- 🌐Getting Started with Software-Defined Radio using MATLAB and Simulink

Warning

All the products described on this page include ESD (electrostatic discharge) sensitive devices. Electrostatic charges as high as *4000V* readily accumulate on the human body or test equipment and can discharge without detection.

Although the boards feature ESD protection circuitry, permanent damage may occur on devices subjected to high-energy electrostatic discharges. Therefore, proper ESD precautions are recommended to avoid performance degradation or loss of functionality. This includes removing static charge on external equipment, cables, or antennas before connecting to the device.

ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
SENSITIVE DEVICES

resources/eval/user-guides/mykonos.txt · Last modified: 05 Jun 2018 16:03 by mhennerich

15,000

Problem Solvers

4,700+

Patents

125,000

Customers

50+

Years

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Ahead of What's Possible

ADI enables our customers to interpret the world around us by intelligently bridging the physical and digital with unmatched technologies that sense, measure and connect. We collaborate with our customers to accelerate the pace of innovation and create breakthrough solutions that are ahead of what's possible.

See the Innovations

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