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PRODUCTS

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ADRV9371

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ADRV9371

ADRV9371-N/PCBZ and ADRV9371-W/PCBZ Boards

Overview

Getting Started

Documentation

Software

Buy



User Guides

View All



Evaluation Software

View All

Features

- Complete Radio Card platform containing AD9371 with:
 - 2 x Transmit outputs
 - 2 x Receive inputs
 - 2 x Observation inputs
 - 1x Sniffer path
- Narrow tuning range and Wide tuning range options
 - ADRV9371-N/PCBZ matched for 1.8GHz – 2.6GHz
 - ADRV9371-W/PCBZ matched for 300MHz – 6GHz
- Complete with high efficiency power supply solution and clocking solution for AD9371
- FMC connector to Xilinx ZC706 motherboard

Markets & Technology

Aerospace and Defense

- [Electronic Surveillance and Countermeasures](#)
- [Milcom](#)
- [Unmanned Systems](#)

Applicable Parts

- [AD9371](#)
- [ADP5054](#)
- [AD9528](#)

Package Contents

- ADRV9371-N/PCBZ or ADRV9371-W/PCBZ radio card
- Two 8GB SD cards
 - One for Linux driver and IIO Scope (AD-FMC-SDCARD)
 - One for Windows-based GUI (ADRV9371-SDCARD)

Note: the package does not contain the Xilinx ZC706 motherboard (EK-Z7-ZC706-G) which is necessary for operation and must be ordered separately.

(EK-Z7-ZC706-G).

- Powered from single FMC connector
- Includes schematics, layout, BOM, HDL, drivers and application software

Product Details

The ADRV9371-N/PCBZ and ADRV9371-WPCBZ are radio cards designed to showcase the AD9371, a high performance wideband integrated RF transceiver intended for use in RF applications such as 4G basestation, test and measurement applications and software defined radios. The radio cards provide hardware engineers, software engineers and system architects with a single 2x2 transceiver platform for device evaluation and rapid prototyping of radio solutions. All peripherals necessary for the radio card to operate including a high efficiency switcher only power supply solution, and a high performance clocking solution are populated on the board.

Both narrow tuning range and wide tuning range options exist.

The ADRV9371-N/PCBZ is optimized for... [Show More..](#)

Getting Started

First pick your preferred radio card – either the narrow or wide tuning range option as described in the overview, then order the Xilinx motherboard from Xilinx (EK-Z7-ZC706-G). The evaluation system... [Show More..](#)

Documentation

2 See All

1 User Guides

1 Informational

AD9371 Prototyping Platform User Guide

WIKI

The ADRV9371-W/PRBZ, ADRV9371-N/PCBZ are FMC radio cards for the AD9371, a highly integrated RF Transceiver™.

RadioVerse: Simplify RF System Design.

Redefining radio design to simplify integration and speed time to market.

Software

1 See All

1 Evaluation Software

Software (Last Updated 12/2016)

The Evaluation kit offers several software drivers for evaluation and rapid prototyping as well as design tool options to aid in simulation and filter design.

Evaluation Boards

Pricing displayed is based on 1-piece.

Model	Description	Price	RoHS
ADRV9371-N/PCBZ Production	Narrow tuning range 1.8GHz-2.6GHz, optimized for performance	\$1250.00	Yes
ADRV9371-W/PCBZ Production	Wide tuning range 300MHz-6GHz, optimized for broadband operation	\$1250.00	Yes

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Pricing displayed is based on 1-piece. The USA list pricing shown is for budgetary use only, shown in United States dollars (FOB USA per unit), and is subject to change. International prices may vary due to local duties, taxes, fees and exchange rates.

9,000

Problem Solvers

2,200

Patents

100,000

Customers

50

Years

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