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# ADRV9361

SDR 2x2 System-On-Module

 Pre-Release



## Features and Benefits

- Fully-verified, low-power, rugged system-on-module (SOM) ready for end-product deployment
- Supported by MATLAB® and Simulink® for data streaming and Zynq targeting
- Industrial temperature rated, production-ready SOM
- Conforms to MIL-STD 202G for thermal, vibration, and shock
- Included on SOM:
  - Analog Devices AD9361-BBCZ Integrated RF Agile Transceiver™
  - Xilinx Zynq XC7Z035-2L FBG676I AP SoC
- Includes schematics, BOM, HDL, Linux drivers and application software

## Product Categories

[RF & Microwave](#)

- [Wideband Transceiver IC](#)

## Markets & Technology

[Communications](#)

- [Software Defined Radio](#)

## Product Details

ADRV9361-Z7035 SDR 2x2 System-On-Module is a Software Defined Radio (SDR) that combines the Analog Devices AD9361 integrated RF Agile Transceiver™ with the Xilinx Z7035 Zynq®-7000 All Programmable SoC.

ADRV9361-Z7035 offers wideband 2x2 receive and transmit paths in the 70 MHz to 6.0 GHz range, making it ideal for a broad range of fixed and mobile SDR applications.

ADRV9361-Z7035 is a fully-verified SOM that combines the RF signal path and high-speed programmable logic. It also forms the RF-to-baseband signal processing core of a wireless communications system, allowing the designer to focus on the differentiating features.

ADRV9361-Z7035 has available carrier cards for fast prototype and is supported by simulation and code generation... [Show More..](#)

## Comparable Parts

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### Product Lifecycle

✓ Pre-Release

This product is new and engineering validation may still be underway. Quantities may be limited and design specifications may change while we ready the product for release to production.

### Evaluation Kits (2)

ADRV1CRR-FMC

SDR Module Carrier/FMC Carrier

[See All](#) ▾

## ADRV1CRR-FMC

1 of 2

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### Product Details

The ADRV1CRR-FMC is an FMC Carrier Card supporting the SDR SOMs from Analog Devices. This Carrier supports development of SDR designs with a platform containing all the necessary interfaces and I/O... [Show More..](#)

[View Detailed Evaluation Kit Information](#)

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[ADRV9361 Material Declaration](#)[PCN-PDN Information](#)[Quality And Reliability](#)[Symbols and Footprints](#)

## Discussions



## ADRV9361 Discussions

[ADRV9361 SoM - Temp operation range](#)**8 week(s) ago** in FPGA Reference Designs[ADRV9361 source C & HDL](#)**8 week(s) ago** in FPGA Reference Designs[Mechanical CAD files for ADRV9361](#)**10 week(s) ago** in FPGA Reference Designs[All ADRV9361 Discussions](#)**EngineerZone™**  
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## Sample &amp; Buy



Model	Package	Pins	Temp Range	Packing Qty	Price (100-499)	Price (1000+)	RoHS	Order from Analog Devices
ADRV9361-Z7035 <a href="#">Request PCN/PDN Notification</a> Production	MODULE CONNECTORIZED	0		No packing, 1	-	-	Y <a href="#">Info</a>	<a href="#">Purchase</a>

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[Price Table Help](#)

## Evaluation Boards

Pricing displayed is based on 1-piece.

Model	Description	RoHS	
ADRV1CRR-BOB Production	SDR Module Carrier/Break Out Board		Yes
ADRV1CRR-FMC Production	SDR Module Carrier/FMC Carrier		Yes

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15,000

Problem Solvers

4,700+

Patents Worldwide

125,000

Customers

50+

Years

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