

ADRV9364-Z7020

SDR 1x1 System-On-Module

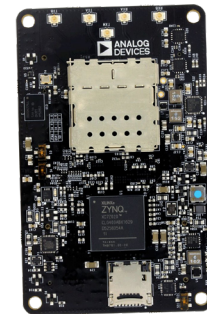
Product Overview

07-08-2021

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

Analog Devices ADRV9364-Z7020 is a low-power Software Defined Radio (SDR) 1x1 System-On-Module (SOM). This SOM combines the integrated AD9364 RF Agile Transceiver™ with the Xilinx Z7020 Zynq®-7000 All Programmable SoC. Fully tested and verified, the SOM integrates the high-speed programmable logic and the RF signal path. The ADRV9364-Z7020 provides a single RF receive and transmit paths from 70MHz to 6GHz. This module forms the RF-to-baseband signal processing core of a wireless communications system.



The ADRV9364-Z7020 has available carrier cards for fast prototype and is supported by simulation and code generation tools that integrate seamlessly with Xilinx Vivado® Design Suite. Production-ready and industrial temperature rated ADRV9364-Z7020 module conforms to MIL-STD 202G for thermal, vibration, and shock.

Features

- Fully-verified, low-power, rugged SOM ready for end-product deployment
- Supported by MATLAB® and Simulink®
- Production-ready and industrial temperature rated SOM
- Conforms to MIL-STD 202G for thermal, vibration, and shock
- Included on SOM:
 - Analog Devices AD9364- BBCZ Integrated 1x1 RF Agile Transceiver™
 - Xilinx Zynq XC7Z020-1CLG400I AP SoC for digital processing

Mouser Part Number(s)

[ADRV9364-Z7020](#)

To learn more, visit <https://www.mouser.com/new/analog-devices/adi-adrv9364-z7020/>