
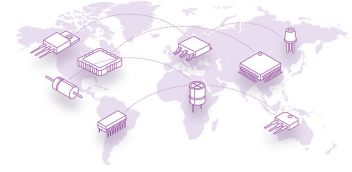


SOM with Zynq Processor

Manufacturer:	<u>Analog Devices, Inc</u>
Package/Case:	RoHS
Product Type:	Embedded Processors & Controllers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The AD9364 is a 1 x 1 channel high performance, highly integrated RF Agile Transceiver™. Its programmability and wideband capability make it ideal for a broad range of transceiver applications. The device combines an RF front end with a flexible mixed-signal baseband section and integrated frequency synthesizers, simplifying design-in by providing a configurable digital interface to a processor. The AD9364 operates in the 70 MHz to 6.0 GHz range, covering most licensed and unlicensed bands. Channel bandwidths from less than 200 kHz to 56 MHz are supported.

The AD9364 is packaged in a 10 mm × 10 mm, 144-ball chip scale package ball grid array (CSP_BGA).

Key Features

RF 1 × 1 transceiver with integrated 12-bit DACs and ADCs

Band: 70 MHz to 6.0 GHz

Supports TDD and FDD operation

Tunable channel bandwidth: <200 kHz to 56 MHz

Dual receivers: 6 differential or 12 single-ended inputs

Superior receiver sensitivity with a noise figure < 2.5 dB

RX gain control

Real-time monitor and control signals for manual gain

Independent automatic gain control

See data sheet for additional features

Application

Point to point communication systems

Femtocell/picocell/microcell base stations

General-purpose radio systems