

# PRODUCT RELEASE



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## Richardson RFPD Introduces New RF Agile Transceiver™ from ADI

### Programmable, 70 MHz to 6 GHz operation

**January 20, 2014 – LaFox, Illinois:** Richardson RFPD, Inc. today announces immediate availability and full design support capabilities for a new RF Agile Transceiver™ from Analog Devices, Inc. (ADI).

The [AD9361](#) is a high-performance, highly-integrated radio frequency (RF) Agile Transceiver designed for use in 3G and 4G base station 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. It operates from 70 MHz to 6 GHz, covering most licensed and unlicensed bands, and supports channel bandwidths from less than 200 kHz to 56 MHz.

The two independent direct conversion receivers have state-of-the-art noise figure and linearity.

The programmability and wideband capability of the [AD9361](#) make it ideal for a broad range of transceiver applications, including small cell (femtocell/picocell/microcell) base stations, point-to-point communications systems, and general purpose radio systems.

Additional key features of the [AD9361](#) include:

- RF 2x2 transceiver with integrated 12-bit DACs and ADCs
- Supports TDD and FDD operation
- Dual receivers: 6 differential or 12 single-ended inputs
- Superior receiver sensitivity with a noise figure of 2 dB at 800 MHz local oscillator (LO)
- RX gain control: real-time monitor and control signals for manual gain; independent automatic gain control
- Dual transmitters: 4 differential outputs
- Highly linear:
  - TX EVM  $\leq$  -40 dB
  - TX noise  $\leq$  -157 dBm/Hz noise floor
  - TX monitor  $\geq$  66 dB dynamic range with 1 dB accuracy
- Integrated fractional-N synthesizers: 2.4 Hz maximum LO step size
- Multichip synchronization
- CMOS/LVDS digital interface

The [AD9361](#) is part of [ADI's Select Products for Q1, 2014](#).

Richardson RFPD's design advisors provide extensive technical expertise and design-in assistance for ADI products, including this new Agile Transceiver. The device is in stock and available for immediate delivery. To find more information, or to purchase the device today on the Richardson RFPD website, please visit the [ADI Select Products for Q1](#) webpage. The device is also available by calling 1-800-737-

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## Continued



6937 (within North America); or please find your local sales engineer (worldwide) at [Local Sales Support](#). To learn about additional products from ADI, please visit the [ADI storefront](#) webpage.



### **About Richardson RFPD, Inc.:**

Richardson RFPD, Inc., an Arrow Electronics company, is a global leader in the RF and wireless communications, power conversion and renewable energy markets. Relationships with the industry's top component suppliers enable Richardson RFPD to meet the total engineering needs of each customer. Whether it's designing components or engineering complete solutions, Richardson RFPD's worldwide design centers and technical sales team provide support for all aspects of customers' go-to-market strategy, from prototype to production. More information is available online at [www.richardsonrfpd.com](http://www.richardsonrfpd.com).

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