



## New Product Announcement

### Analog Devices' ADIS1647x Mini Industrial IMUs, Now at Mouser, Improve Navigation in IoT Devices

**December 12, 2018** – [Mouser Electronics](#), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [ADIS1647x](#) precision industrial inertial measurement units (IMUs) from [Analog Devices](#). New additions to Analog Devices' [line of MEMS IMUs](#), the ADIS1647x IMUs deliver improvements to navigation and safety in [industrial](#) and [Internet of Things](#) (IoT) applications, unmanned aerial vehicles (UAVs), smart agriculture, and autonomous vehicles. The devices are also ideal for the growing market for virtual reality (VR) and augmented reality (AR) devices.

The [Analog Devices ADIS1647x](#) IMUs, available from Mouser Electronics, deliver six-degree-of-freedom sensing using triple-axis [MEMS-based](#) gyroscopes and accelerometers, with a combination of ultra-low noise, ultra-low drift, and industry leading vibration rejection, allowing devices to accurately characterize motion even when disturbed by wind, vibration, temperature or turbulence. The 11 mm x 15 mm x 11 mm IMUs are tested and factory calibrated for bias, alignment, sensitivity and linear acceleration to ensure each [sensor](#) can provide accurate measurements via dynamic compensation formulas. The ADIS16470 variant offers a gyroscope dynamic range of  $\pm 2000$  degrees per second (dps), and the ADIS16475 and ADIS16477 variants are available in dynamic ranges of  $\pm 125$ ,  $\pm 500$ , or  $\pm 2000$  dps.

The ADIS1647x miniature industrial IMUs are supported by a robust selection of evaluation tools consisting of the [EVAL-ADIS2Z](#) evaluation board and [ADIS1647x/PCBZ](#) breakout boards. Designers can plug a breakout board into the 16-pin connector on the evaluation board to develop a prototype using the corresponding IMU.

To learn more, visit [www.mouser.com/adi-adis1647-imus](http://www.mouser.com/adi-adis1647-imus).

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

### **About Mouser Electronics**

Mouser Electronics, a Berkshire Hathaway company, is an award-winning, authorized semiconductor and electronic component distributor focused on rapid New Product Introductions from its manufacturing partners for electronic design engineers and buyers. The global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 750 manufacturers. Mouser offers 23 support locations around the world to provide best-in-class customer service and ships globally to over 600,000 customers in more than 220 countries/territories from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit [www.mouser.com](http://www.mouser.com).

### **About Analog Devices, Inc.**

Analog Devices is the leading global high-performance analog technology company dedicated to solving the toughest engineering challenges. We enable our customers to interpret the world around us by intelligently bridging the physical and digital with unmatched technologies that sense, measure, power, connect and interpret. Visit <http://www.analog.com>.

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