

## New Product Announcement

### Analog Devices ADIS16507 Precision MEMS Inertial Measurement Unit Now Shipping from Mouser Electronics

**April 2, 2020** – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [ADIS16507](#) precision inertial measurement unit (IMU) from [Analog Devices, Inc.](http://analogdevicesinc.com) Part of the Analog Devices line of microelectromechanical system (MEMS) IMUs, the ADIS16507 provides a simplified, cost-effective method for integrating accurate, multi-axis inertial sensing into [industrial](#) systems as well as [Internet of Things](#) (IoT) applications, unmanned aerial vehicles (UAVs), smart agriculture, and autonomous [vehicles](#). The devices are also ideal for the growing virtual reality (VR) and augmented reality (AR) markets.

The [Analog Devices ADIS16507](#) IMU, available from Mouser Electronics, delivers six degree-of-freedom (DoF) sensing using a [MEMS](#)-based triple-axis gyroscope and triple-axis accelerometer, allowing devices to accurately characterize motion in a broad set of conditions. The 15 mm × 15 mm × 5 mm IMU is tested and factory calibrated for bias, alignment, sensitivity and linear acceleration to ensure each [sensor](#) can provide accurate measurements via dynamic compensation formulas.

The ADIS16507 device is available in models with dynamic ranges of  $\pm 125$ ,  $\pm 500$ , or  $\pm 2000$  degrees per second. Tight orthogonal alignment simplifies inertial frame alignment in navigation systems, and a serial peripheral interface (SPI) and register structure provide a simple interface for data collection and configuration control.

As an authorized distributor, Mouser Electronics is focused on the rapid introduction of new products and technologies, giving customers an edge and helping speed time to market. Over 800 semiconductor and electronic component manufacturers count on Mouser to help them introduce their products into the global marketplace. Mouser's customers can expect 100% certified, genuine products that are fully traceable from each manufacturer.

To learn more, visit <https://www.mouser.com/new/analog-devices/adi-adis16507-mems-imu/>.

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 800 manufacturers. Mouser offers 27 support locations around the world to provide best-in-class customer service and ships globally to over 630,000 customers in 223 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**

Analog Devices is a 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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