

New Product Announcement

Mouser Electronics Now Stocking Doodle Labs' U.S. DoD- and NATO-Compliant Smart Radios

September 22, 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, stocks the [RM-5800](#), [RM-915](#), and [RM-2450](#) Smart Radios from [Doodle Labs](#). As part of the Smart Radio platform recently contracted by the U.S. Army's Defense Innovation Unit (DIU) and the U.S. Air Force's AFWERX, the multiple-input, multiple-output (MIMO) mesh routers utilize state-of-the-art RF and networking capabilities for faster and reliable communication in drones and mobile robotic systems.

The Doodle Labs Smart Radio platform features self-forming and self-healing Mesh Rider® technology and dependable Mobile Ad-hoc Networks (MANET) that operate in the [harshest environments](#), enabling high-performance radios for real-time video collaboration in the field. The high-speed data links are secure against infiltration, resilient against interference, and frequency agile for global, and interstellar applications. The Smart Radios, available in many frequency bands between 100 MHz and 6 GHz, are capable of carrying out all bi-directional communication (such as command and control and video streaming) in a single high-speed broadband RF channel.

[RM-915](#), [RM-2450](#), and [RM-5800](#) Smart Radios are full-featured 2x2 MIMO radio and mesh routers that provide a long-range, high-throughput data link between one or more mobile units and a control station. The RM-915 (900 MHz) and RM-2450 (2450 MHz) Smart Radios offer a maximum HD video streaming range of 8 km (Pro model) and 20 km (Xtreme model). The RM-5800 radios also offer long-range transmission greater than 100 km, high throughput up to 100 Mbps, and exceptional multipath and near-line-of-sight (NrLOS) MIMO performance.

Doodle Labs' Smart Radios are available in many U.S. Department of Defense- and NATO-specific frequency bands. These routers have gone through a comprehensive process to obtain J/F-12 certifications, so government users can get the Authorization to Operate (ATO) clearance for their projects.

To learn more about the RM-5800 Smart Radios, go to <https://www.mouser.com/new/doodle-labs/doodle-labs-rm-5800-smart-radios/>. For more information on the RM-915 and RM-2450 Smart Radios, visit <https://www.mouser.com/new/doodle-labs/doodle-labs-rm915-rm-2450-smart-radios/>.

As a global authorized distributor, Mouser offers the world's widest selection of the newest semiconductors and electronic components — in stock and ready to ship. Mouser's customers can expect 100% certified, genuine products that are fully traceable from each of its manufacturer partners. To help speed customers' designs, Mouser's website hosts an extensive library of technical resources, including a [Technical Resource Center](#), along with product data sheets, supplier-specific reference designs, application notes, technical design information, engineering tools and other helpful information.

About Mouser Electronics

Mouser Electronics, a Berkshire Hathaway company, is an authorized semiconductor and electronic component distributor focused on 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 worldwide to provide best-in-class customer service in local language, currency and time zone. The distributor ships to over 630,000 customers in 223 countries/territories from its 1 million-square-foot, state-of-the-art distribution facilities in the Dallas, Texas, metro area. For more information, visit www.mouser.com.

About Doodle Labs

Doodle Labs is the global leader in long-range broadband communication for Private Wireless Networks and robotics applications. For 20 years, OEM manufacturers have relied on Doodle Labs for expertise in designing their wireless systems. The company's products are deployed by Fortune 100 companies in the most demanding environments on earth. Doodle Labs' design philosophy is focused on achieving best-in-class performance while requiring minimal integration effort, thereby allowing customers to go to market faster with better performing products at a lower overall cost. www.doodlelabs.com

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