

New Product Announcement

Analog Devices' Modular and Customizable LiDAR Prototyping Platform Now Shipping from Mouser Electronics

February 5, 2020 – [Mouser Electronics](http://www.mouser.com), Inc. and [Analog Devices](http://www.analog.com), Inc. today introduced into the distribution channel the [AD-FMCLIDAR1-EBZ](#) light detection and ranging (LiDAR) prototyping platform. Designed specifically for the development of both hardware and software LiDAR depth-sensing applications, the modular prototyping platform helps to reduce system development time and shorten the path to a working LiDAR system prototype in applications such as [automotive](#), [environmental](#), aerospace/defense, [security](#), and [industry 4.0](#).

“Analog Devices provides the tools and design resources engineers need to develop next-gen LiDAR applications, and we are thrilled to offer their LiDAR Prototyping Platform to our global customer base,” said Jeff Newell, Mouser Senior Vice President of Products. “As the industry’s NPI leader, Mouser is committed to providing our customers development resources for leading-edge technologies, helping engineers to expedite their development time and deliver the next wave of LiDAR-based technologies to the market faster.”

The [Analog Devices LiDAR Prototyping Platform](#), available from Mouser Electronics, is a modular hardware and open-source software platform for 1D non-scanning LIDAR development. The hardware components of the platform consist of a laser board and an analog front end (AFE) board that plug into a high-speed data acquisition (DAQ) board, which includes an FMC-compliant connector interface that enables designers to connect their preferred FPGA board. The laser board houses four individual lasers for the accurate firing at a 905 nm wavelength. Designers can fit custom optics on the board using industry-standard mounting adapters based on design need. The hardware platform can deliver a range of up to 60 meters, with a horizontal resolution of 16 pixels and a data sampling of 1 GSPS on four separate channels.

The platform’s open source software integrates with industry-standard tools and operating systems, including Linux Industrial I/O applications, MATLAB, Simulink, custom C/C+, Python, and C# applications. A licensable JESD204B interface framework helps reduce development complexity and time for deterministic data delivery to the host system.

To learn more, visit <https://www.mouser.com/new/analog-devices/adi-lidar-prototyping-platform/>.

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.

About Analog Devices Inc.

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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