

New Product Announcement

Mouser Electronics Now Stocking Analog Devices' ADPD4100 & ADPD4101 Multimodal Sensor Front Ends for Industrial Monitoring

December 23, 2020 – [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 new [ADPD4100](#) and [ADPD4101](#) multimodal sensor front ends from [Analog Devices, Inc.](#) The sensor front ends feature eight input channels with multiple modes of operation, supporting a variety of [sensor](#) measurements for applications such as [industrial](#) monitoring, home patient monitoring, and wearable health and fitness monitors.

The [Analog Devices ADPD4100 and ADPD4101](#) multimodal sensor front ends, available from Mouser Electronics, offer flexible input multiplexing, supporting both single-ended and differential sensor measurements. The high-performance devices eliminate the need for optical filters and externally controlled DC cancellation circuitry by rejecting corruption and signal offsets from asynchronous modulated interference. The sensor front ends rely on a 1.8 V analog core and a 1.8 V- and 3.3 V-compatible digital input/output. Capable of driving up to four LED drivers simultaneously, the ADPD4100 and ADPD4101 sensor front ends are ideal for [health](#) applications including heart rate monitoring, blood pressure estimation, heart rate variability, and body composition.

The ADPD4100 and ADPD4101 devices are supported by the [EVAL-ADPD4100Z-PPG](#) evaluation board, available to order from Mouser. Featuring three separately driven green LEDs, one red LED, and one infrared LED, the board implements a simple optical design to evaluate vital signs monitoring applications. The EVAL-ADPD4100Z-PPG board uses the Wavetool evaluation software GUI, offering low-level register access and high-level system configurability. Engineers can also use the [EVAL-ADPDUCZ processor board](#) to wirelessly connect to a PC via USB or *Bluetooth*® technology for data logging and programming.

To learn more about the ADPD4100 and ADPD4101 multimodal sensor front ends, visit <https://www.mouser.com/new/analog-devices/adi-adpd4100-4101-sensor-front-ends/>.

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 leading manufacturer partners. Serving the global electronic design engineer and buyer community, the global distributor's website, mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 1,100 manufacturer brands. 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 <https://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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