



New Product Announcement

Mouser Electronics Now Offering Full UWB (formerly Decawave) Portfolio from Qorvo

September 29, 2020 – [Mouser Electronics](#), Inc., an authorized global distributor of [Qorvo](#) products, is pleased to announce that Qorvo's complete line of ultra-wideband (UWB) technology products — formerly [Decawave](#) — is now available to order on the Mouser website. Qorvo's UWB product portfolio includes pioneering Impulse Radio UWB technology, which allows for centimeter accuracy distance/location measurement and secure low-power, low-latency data communication in [automotive](#), mobile, [industrial](#), and consumer [Internet of Things](#) (IoT) applications.

Qorvo, a leading provider of innovative RF solutions that connect the world, recently acquired Decawave, a pioneer in UWB technology and provider of UWB solutions for mobile, automotive and IoT applications. Decawave UWB products have successfully been deployed in more than 40 verticals, ranging from industrial automation to logistics, hospitals, cars, home robots, connected home, and sports. Decawave joined Qorvo as the Ultra-Wideband Business Unit (UWBU) within Qorvo Mobile Products.

Qorvo's line of UWB technology products, now available at Mouser, includes the DW1000 radio IC and two modules built around the DW1000 IC. The [DW1000](#) UWB transceiver IC is the world's first single-chip wireless transceiver based on UWB techniques. The IC enables engineers to develop cost-effective real-time locating system (RTLS) solutions with precise indoor and outdoor positioning to within 10 cm. Compliant to IEEE802.15.4-2011, the IC supports data transfer at rates up to 6.8 Mbps.

The [DWM1000](#) module integrates the DW1000 IC, an antenna, and power management and clocking components to simplify design integration with a wide variety of microcontrollers. The module supports time-of-flight (ToF) and time-difference-of-arrival (TDoA) location schemes in RTLS and wireless networking applications such as agriculture, building control, factory automation, and healthcare.

Qorvo's [DWM1001](#) module combines the DW1000 IC, a Nordic Semiconductor [nRF52832](#) system-on-chip (SoC), a 3-axis accelerometer, and integrated antennas to create a solution that minimizes RF and hardware design requirements. For development, Mouser offers the [DWM1001-DEV](#), which includes the DWM1001 module, battery connector and charging circuit, LEDs, buttons, Raspberry Pi-compatible connectivity, and USB connector. In addition, the board comes with J-Link OB adding debugging and Virtual COM Port capabilities.

For more information on Qorvo UWB technology products, visit <https://www.mouser.com/new/qorvo/qorvo-uwb-technology/>.

To learn more about Qorvo, go to <https://www.mouser.com/manufacturer/qorvo/>.

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 www.mouser.com.

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