

New Product Announcement

Bosch Sensortec's BHI260AB and BHA260AB Smart Sensors for Wearables Now Available from Mouser Electronics

March 25, 2020 – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now offering the [BHI260AB](#) and [BHA260AB](#), the latest generation of ultra-low-power smart sensors from [Bosch Sensortec](#). Designed for always-on [sensor](#) applications in wearables, hearables, AR/VR devices and smartphones, the BHI260AB and BHA260AB integrate a powerful coprocessor to offload sensor processing from the main processor, which can reduce [power consumption](#) and extend battery life.

The Bosch Sensortec [BHI260AB](#) sensor, now shipping from Mouser, and the [BHA260AB](#) sensor, available to order from Mouser, integrate a best-in-class 3-axis MEMS accelerometer (BHA260AB) or 6-axis gyroscope/accelerometer inertial measurement unit (BHI260AB). Both devices incorporate Bosch Sensortec's Fuser2 Core, a 32-bit floating-point microcontroller with 256 kBytes of on-chip SRAM. The configurable Fuser2 Core draws just 950 μ A in the efficient 20 MHz Long Run mode, and 2.8 mA in the high-performance 50 MHz Turbo mode.

The BHI260AB offers up to 25 general-purpose input/outputs (GPIOs), while the BHA260AB provides up to 12 GPIOs. Both devices include a host interface configurable as SPI or as high-speed I²C, each with data rates up to 3.4 MBit/s for power-efficient data transfer. The sensors also support the integration of other sensor devices, including GNSS and various localization systems.

Mouser also offers corresponding shuttle boards for the sensors. Both the [BHI260AB shuttle board](#) and [BHA260AB shuttle board](#), available to order from Mouser, include external sensors that can be connected to the sensors using the available jumpers on the PCB. The shuttle boards allow easy access to the sensors's pins via a simple socket and can be plugged into the Bosch Sensortec [Application Board](#).

To learn more about the BHI260AB sensor, visit <https://www.mouser.com/new/bosch/bosch-bhi260-smart-sensor-hub/>. To learn more about the BHA260AB sensor, visit <https://www.mouser.com/new/bosch/bosch-bha260-smart-sensor-hub/>.

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.

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 Bosch

The Bosch Group, a leading global supplier of technology and services, is designed to improve quality of life worldwide with products and services that are innovative and spark enthusiasm.

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