



## New Product Announcement

### Panasonic's PAN1740A BLE Module, Now at Mouser, Supports Voice Commands and Motion Recognition

**August 17, 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 [PAN1740A](#) Series RF module from [Panasonic](#). The device features a fully integrated baseband processor and radio transceivers for *Bluetooth*® 5.0 Low Energy connectivity. The compact module supports up to eight connections and features reduced boot time, providing a suitable solution for remote control units that demand support for motion and gesture recognition and voice commands.

The [Panasonic PAN1740A](#) module, available from Mouser Electronics, integrates an audio unit to provide a simple interface for external codecs over PCM/I<sup>2</sup>S, [MEMS](#) microphones over PDM, and a sample rate converter unit. Featuring a programmable Arm® Cortex®-M0 CPU, the versatile module can be used as a standalone application processor or as a data pump in hosted systems. The Panasonic PAN1740A draws just 4.9 mA in transmit or receive mode, allowing the use of coin cell batteries with no reduction of signal range or transmit power. The 9 mm × 9.5 mm × 1.8 mm module offers a link budget of 93 dBm (Rx sensitivity: -93 dBm, Tx sensitivity 0 dBm).

The PAN1740A transceiver is fully certified with the Bluetooth 5.0 standard as well as EU CE RED, FCC and IC. The module features dedicated hardware for the link layer implementation of Bluetooth Low Energy, and support custom profiles and all Bluetooth SIG profiles.

The PAN1740A module is supported by the [PAN1740A evaluation kit](#). Comprised of two easy-to-use [USB](#) dongles, the PAN1740A evaluation kit has a USB-to-UART converter and allows hardware access to the module pins. It also provides a J-Link debug interface to evaluate custom firmware.

To learn more about the PAN1740A module from Panasonic, visit  
<https://www.mouser.com/new/panasonic/panasonic-pan1740a-ble-modules/>.

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**

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### **About Panasonic**

Panasonic Industrial Devices Sales Company of America is the advanced industrial components and electronic devices sales division of Panasonic Corporation of North America, the principal North American subsidiary of Panasonic Corporation. The company provides cutting-edge components that power a diverse range of wireless and mechanical devices. Standard and custom components range from industrial automation devices to passive components, relays, connectors, sensors, wireless connectivity, semiconductors and more. Thriving as an innovator of consumer electronics, home appliances, communications, automotive and healthcare, Panasonic is continuously developing and improving cutting-edge, high-quality, high-technology components that power a diverse range of devices and products. The company is also pursuing advanced environmental initiatives to encourage the growth of environmental awareness and sustainability worldwide.

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