

## New Product Announcement

# Mouser Electronics Now Stocking Renesas RA2L1 Microcontrollers with Touch Interface

**January 12, 2021** – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the [RA2L1](#) Group microcontrollers from [Renesas Electronics](http://www.renesas.com). The devices feature an operating current of 64  $\mu$ A/MHz and ultra-low software standby current of 250 nA, which, combined with an innovative touch interface, make them ideal for a variety of connected home, [Internet of Things](#) (IoT), and other automation applications.

The [Renesas RA2L1](#) microcontrollers, available from Mouser Electronics, use a 48 MHz Arm<sup>®</sup> Cortex<sup>®</sup>-M23 core based on the Armv8-M architecture, and come with up to 256 Kbytes of code flash memory, 32 Kbytes of SRAM, and a capacitive [touch](#) sensing unit. The advanced capacitive touch IP in the RA2L1 microcontrollers provides enhanced operability for a variety of touch and touchless system implementations. The devices' capacitive touch noise tolerance meets the requirements of IEC EN61000-4-3 level 4 (radiated) and EN61000-4-6 level 3 (conducted) to ensure reliable operation with minimal sensing errors.

The microcontrollers are supported by Renesas' Flexible Software Package (FSP), which enables rapid implementation of complex security and connectivity functions by allowing customers to reuse legacy code and combine it with software from other Arm partners. The FSP also offers tools to increase efficiency, accelerating the development process for projects targeting the RA2L1 microcontrollers.

Target applications for the RA2L1 microcontrollers include home appliance, industrial and building automation, [medical](#) and healthcare, and consumer human-machine interface (HMI) applications. For evaluation of the RA2L1 microcontrollers, Mouser also stocks the [RA2L1 capacitive touch evaluation system](#) and the [EK-RA2L1](#) RA2L1 MCU Group evaluation board.

To learn more, visit <https://www.mouser.com/new/renesas/renesas-ra2l1-mcus/>.

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**

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