



## New Product Announcement

# Mouser Electronics Now Stocking STMicroelectronics STM32L5 Ultra-Low-Power MCUs with Enhanced Security

**March 3, 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 [STM32L5](#) ultra-low-power microcontrollers from [STMicroelectronics](#) (ST). Based on an Arm® Cortex®-M33 core with Arm TrustZone® hardware-based security, the STM32L5 series includes a suite of protection features and embedded high-speed memories while offering high performance and ultra-low power consumption.

The [STM32L5](#) microcontrollers, available from Mouser Electronics, feature a security architecture based on Arm TrustZone with the ARMv8-M Main Extension. The 32-bit Cortex-M33 core with floating point unit also implements a full set of DSP (digital signal processing) instructions and a memory protection unit (MPU) that enhances application security. Additionally, the STM32L5 family has received PSA Level 1 and Level 2 certifications from Arm.

The STM32L5 devices embed high-speed memories (up to 512 Kbytes of flash memory and 256 Kbytes of SRAM), plus a flexible external memory controller for static memories (for devices with packages of 100 pins and more). Other peripherals include an octo-SPI flash memories interface and an extensive range of enhanced I/Os and peripherals connected to two APB buses, two AHB buses, and a 32-bit multi-AHB bus matrix. The devices also incorporate ST's ART Accelerator™, which allows zero-wait states out of the 64-bit program flash at a clock speed of up to 110 MHz and 165 DMIPS performance.

The STM32L5 microcontrollers leverage ST's low-power technologies to give designers flexibility to optimize power consumption. Technologies such as voltage scaling to balance power consumption with processing demand, and a comprehensive set of power-saving modes (including a run mode as low as 62 µA/MHz and a 108 nA standby mode) allow engineers to design a broad range of low-power applications

To learn more, visit <https://www.mouser.com/new/stmicroelectronics/stm-stm32-l5-mcus/>.

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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