

## New Product Announcement

### Mouser Now Shipping Microchip SAM L10 and L11 Cortex-M23 MCUs

*SAM L11 First 32-bit Microcontroller to Offer Arm TrustZone Security Technology*

**August 1, 2018** – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now shipping the [SAM L10 and L11](#) microcontrollers from [Microchip Technology](http://www.microchip.com). The SAM L10 and L11 microcontrollers are based on a 32-bit Arm® Cortex®-M23 core and feature picoPower® technology to offer the industry's lowest power consumption in their class. The SAM L11 variant adds integrated hardware security and is the first 32-bit microcontroller family to feature Arm TrustZone® Technology.

[Microchip's SAM L10 and L11](#) microcontrollers, available from Mouser Electronics, run at 32 MHz and feature up to 64 Kbytes of flash memory and up to 16 Kbytes of SRAM. The SAM L10 devices employ a single memory protection unit (MPU), two debug access levels (DALs), whereas SAM L11 devices employ two MPUs, three DALs, and TrustZone for ARMv8-M, a programmable environment that provides hardware isolation between certified libraries, IP and application code.

The SAM L10 and L11 microcontrollers feature flexible clock distribution optimized for [low power](#) and a 32.768 kHz crystal oscillator as well as power-on-reset, programmable brown-out detection, 8-channel Direct Memory Access Controller (DMAC), and 8-channel event system for inter-peripheral core-independent operation. Both microcontroller families offer Microchip's Peripheral Touch Controller (PTC) for capacitive touch capabilities even in the presence of moisture and noise.

For development, Mouser also offers the [SAM L10 and L11 Xplained Pro](#) Evaluation Kits. Each kit is supported by the Atmel Studio 7 integrated development platform, IAR Embedded Workbench, Arm Keil® Microcontroller Development Kit as well as Atmel START, a free online tool to configure peripherals and software that accelerates development.

The SAM L10 and L11 microcontrollers are ideal for a range of low-power applications, including [Internet of Things](#) (IoT), security, [automotive](#), embedded control, [medical](#) and other human machine interface (HMI) designs.

To learn more, visit [www.mouser.com/microchip-sam-l10-l11-mcus](http://www.mouser.com/microchip-sam-l10-l11-mcus).

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### **About Mouser Electronics**

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