

New Product Announcement

Now at Mouser: Maxim's MAX32652 Ultra-Low-Power MCU Enables Extra Battery Life, Scalable Memory

May 9, 2018 – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the [MAX32652](#) ultra-low-power microcontroller from [Maxim Integrated](#). Offering designers the [low-power](#) consumption of an embedded microcontroller with the capabilities of a higher-powered applications processor, the MAX32652 is the latest offering from Maxim's family of DARWIN Generation UP microcontrollers, which combine wearable-grade power technology with large embedded memories and advanced embedded security.

The [Maxim MAX32652](#) microcontroller, available from Mouser Electronics, is based on an Arm® Cortex®-M4 core with a floating point unit (FPU) and supports a future-proof memory architecture that enables designers to grow the capabilities of their [Internet of Things](#) (IoT) device applications. The memory-scalable device integrates 3 MBytes of flash, 1 MByte of SRAM, and a clock running up to 120 MHz. Low-power SRAM retention modes help extend battery life, and the low-power active mode features advanced power management capabilities. Additional memory expansion is available through external memory using the device's 120 MBytes-per-second HyperBus/XcellaBus DDR interface.

The MAX32652 microcontroller provides a range of high-speed peripherals, including high-speed USB 2.0, an SD card controller, and a TFT display. Additional serial interfaces include dedicated FIFOs that enable communication to external sensors, a four-input, 10-bit analog-to-digital converter (ADC) that monitors system power, and an I²S port that supports bi-directional audio streaming. The device also leverages Maxim's best-in-class security toolbox to help create secure sensors for IoT applications.

The Maxim MAX32652 microcontroller is ideal for applications such as fitness monitors, wearable [medical](#) patches, portable medical devices, [industrial](#) sensors, and other battery-powered IoT devices. The microcontroller is supported by the [MAX32650 Evaluation Kit](#), also available to order from Mouser. The MAX32650 kit contains a MAX32650 microcontroller with a pre-programmed demo, JTAG debugger with ribbon cable, and two USB cables.

To learn more about the MAX32652 microcontroller, visit www.mouser.com/maxim-max32652-microcontrollers. For more information on the and MAX32650 Evaluation Kit, go to www.mouser.com/maxim-max32650-kit.

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 Maxim Integrated

Maxim is the leader in analog integration. From mobile to industrial solutions, Maxim is making analog smaller, smarter and more energy efficient.

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