

New Product Announcement

Silicon Labs' EFM32PG22 MCUs, Now at Mouser, Deliver Optimized Energy Efficiency for IoT Edge Applications

March 18, 2021 – [Mouser Electronics](#), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the new [EFM32PG22](#) (PG22) microcontrollers from [Silicon Labs](#). The new Series 2 Gecko microcontrollers are ideal for energy-efficient and space-constrained applications in consumer electronics, appliances, personal hygiene devices, and [Internet of Things](#) (IoT) edge and [industrial](#) automation devices.

The [Silicon Labs PG22](#) microcontrollers, now available at Mouser, combine high performance and low energy consumption with easy-to-use, cost-efficient analog capabilities. The microcontrollers incorporate a [low-power](#) Arm® Cortex®-M33 core running at up to 76.8 MHz, plus up to 512 Kbytes of flash and 32 Kbytes of RAM. The devices consume just 26 µA/MHz in Active Mode at 38.4 MHz and as little as 0.95 µA in DeepSleep mode with 8 Kbytes of RAM retention.

Peripherals include a 12-bit 1 Msps successive approximation (SAR) analog-to-digital converter (ADC), eight-channel DMA controller, digital microphone interface, and 32-bit real time counter. The microcontrollers also boast a comprehensive suite of security features, including secure boot with root of trust and secure loader (RTSL), true random number generator, and hardware cryptographic acceleration for AES128/256, SHA-1, SHA-2 (up to 256-bit), ECC (up to 256-bit), ECDH, and ECDSA.

The PG22 microcontrollers are pin- and software-compatible with the EFR32xG22 wireless SoCs (BG22, MG22 and FG22), allowing designers to leverage a scalable embedded platform to simplify product development and help drive cost efficiency.

The PG22 microcontrollers are supported by the [PG22 Dev Kit](#), which includes four different environmental sensors and stereo PDM microphones, providing an ideal platform for the development of energy-friendly electronic devices.

To learn more, visit <https://www.mouser.com/new/silicon-labs/silicon-labs-efm32pg22-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

Mouser Electronics, a Berkshire Hathaway company, is an authorized semiconductor and electronic component distributor focused on New Product Introductions from its leading manufacturer partners. Serving the global electronic design engineer and buyer community, the global distributor's website, mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 1,100 manufacturer brands. Mouser offers 27 support locations worldwide to provide best-in-class customer service in local language, currency and time zone. The distributor ships to over 630,000 customers in 223 countries/territories from its 1 million-square-foot, state-of-the-art distribution facilities in the Dallas, Texas, metro area. For more information, visit <https://www.mouser.com/>.

About Silicon Labs

Silicon Labs is a leading provider of silicon, software, and solutions for a smarter, more connected world. The company's world-class engineering teams are on a mission to create products that deliver performance, energy savings, and simplicity, while solving the electronic industry's toughest problems. Award-winning technologies, coupled with Silicon Labs' heritage of innovation, are shaping the future of the IoT, Internet infrastructure, industrial automation, consumer, and automotive markets.

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