



Company: Energy Micro
Internet: www.energymicro.com

Brief description:

Energy Micro develops, markets and sells the world's most energy friendly microcontrollers, based on the industry leading ARM® Cortex™-M3 32-bit architecture. The company was founded in 2007 by experienced semiconductor professionals with previous expertise from Chipcon, Texas Instruments, Atmel and Nordic Semiconductor.

Products:

The EFM®32 Gecko microcontrollers is a family of ultra low energy MCUs with 4 times lower power consumption than any other 8, 16, or 32-bit microcontroller. EFM32 MCUs only consume 180 µA/MHz while running code from Flash memory, and has a Shutoff mode consuming only 20 nA. The EFM32 microcontrollers are based on the ultra-efficient, industry standard ARM® Cortex™-M3 architecture. Without CPU intervention the low power peripherals that can react and respond to other peripherals, external, or internal triggers via the Peripheral Reflex System. Additional energy friendly peripherals include LCD controller consuming only 0.55 µA, hardware AES encryption and decryption at only 54/75 cycles (128/256 bits), 12-bit ADC with 1 MSamples/s at only 200µA, and full UART communication with the Low Energy USART at only 200 µA. EFM32 development kits have an integrated J-Link debugger for software development, plus a software library supporting all major tool chains. The Advanced Energy Monitor (AEM) system and the energyAware Profiler software enable simple graphical visualization and optimization of your application's energy consumption and code.