



Featured supplier



Empowering a more connected world with breakthrough technologies, that's what Silicon Labs is about. Silicon Labs, leader in Silicon, Software and Solutions, developed for over 20 years a high performance analog technology connected to digital building blocks and a variety of sensors technologies, highly suitable for a wide range of applications. The result is a diversified product portfolio of MCU, Wireless, Sensors, Timing, Isolation, Radio, TV Tuner, Modem, SLIC and PoE products. Silicon Labs Technology leadership simplifies customers experience. Their record of strong growth in technology and business impact ensures Silicon labs delivering products that transform industries.

*Silicon, software and solutions for a smarter more connected world.*



# Applications & Markets



Communications



Automotive



Data Centers



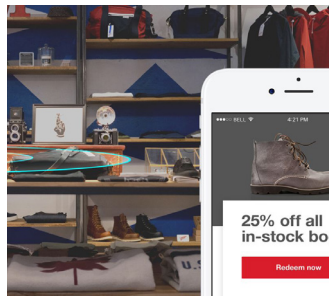
Healthcare & Fitness



Home Automation



Motor Control

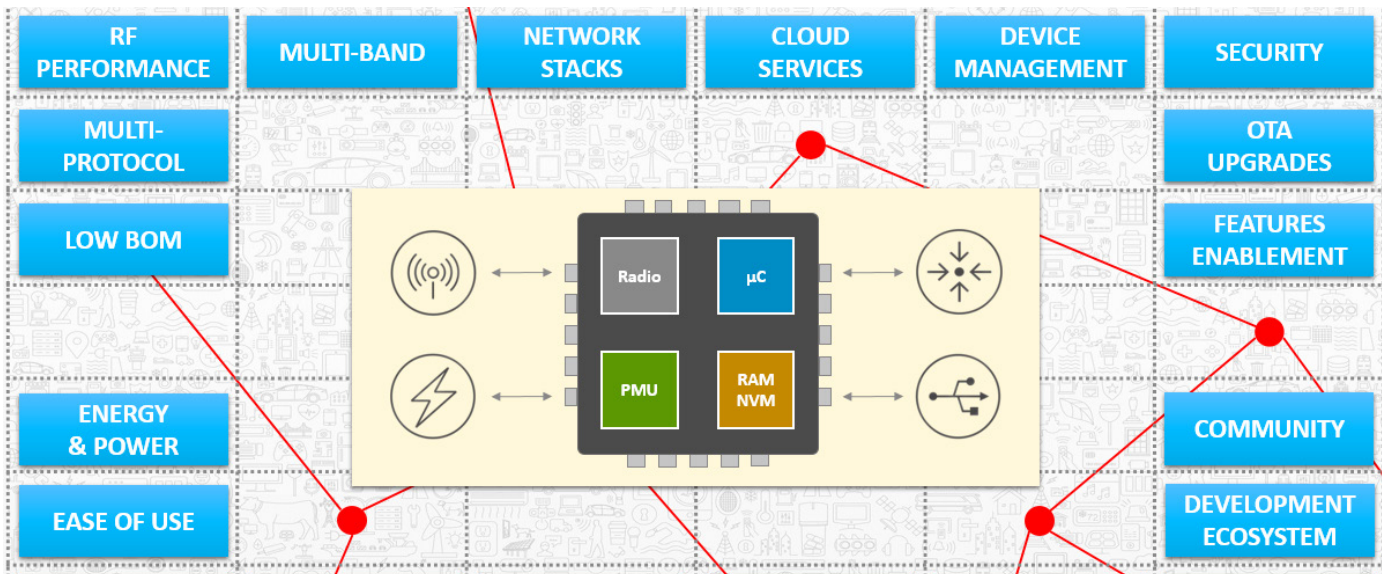








Retail



Smart Meters

# Internet of Things



Starter Kits	Wireless Modules	Reference Designs
		
 <p>Rapid prototyping</p>	 <p>Pre-certified, small footprint</p>	 <p>Ready made solutions take you to market faster</p>

## Energy-Friendly Microcontrollers

Design without compromise using the low power EFM32™ ARM® Cortex® based 32-bit MCUs and EFM8™ 8051-based 8-bit MCUs. With Simplicity Studio™ you can quickly deliver an energy-friendly sensor node, smart meter, wearable or connected Internet of Things (IoT) system.

- 8-bit MCU (EFM8 and C8051 Devices)
- 32-bit MCU (EFM32 and Precision32 Devices)



## Intelligent Sensors

Our diverse sensor product portfolio includes optical sensors, digital relative humidity and temperature sensor ICs, biometric sensors, magnetic hall effect sensors, and capacitive touch sense microcontroller devices.

- Optical Sensor ICs
- Biometric Sensor ICs
- Capacitive Touch Sensors
- Humidity Sensor ICs
- Temperature Sensor ICs
- Magnetic Sensor ICs



## Isolation Solutions

Our family of products includes CMOS digital isolators, isolated gate drivers, isolated current sensors, isolated system products, and isolated FET driver families.

- Digital Isolators
- Current Sensors
- Isolated Gate Drivers
- Isolated FET Drivers



## Wireless & RF Solutions

Integrated, robust, reliable, and easy-to-use wireless and RF ICs, modules and software. Designers are able to eliminate many discrete components and use fewer external components. You speed time to market with Zigbee, Bluetooth®, Wi-Fi®, Sub-GHz, 2.4 GHz Proprietary Wireless, and Multiprotocol Wireless solutions from Silicon Labs.



## Complete Timing Solutions

Silicon Labs offers the industry's broadest portfolio of crystal oscillators, clock generator, clock buffer and jitter attenuator products, as well as PCI Express (PCIe) clock generators and buffers.

- Clocks - Si5332 Any-Frequency clock generators
- Buffers – Differential, LVCMOS and clock buffers
- Oscillators - Si54x Ultra Series™

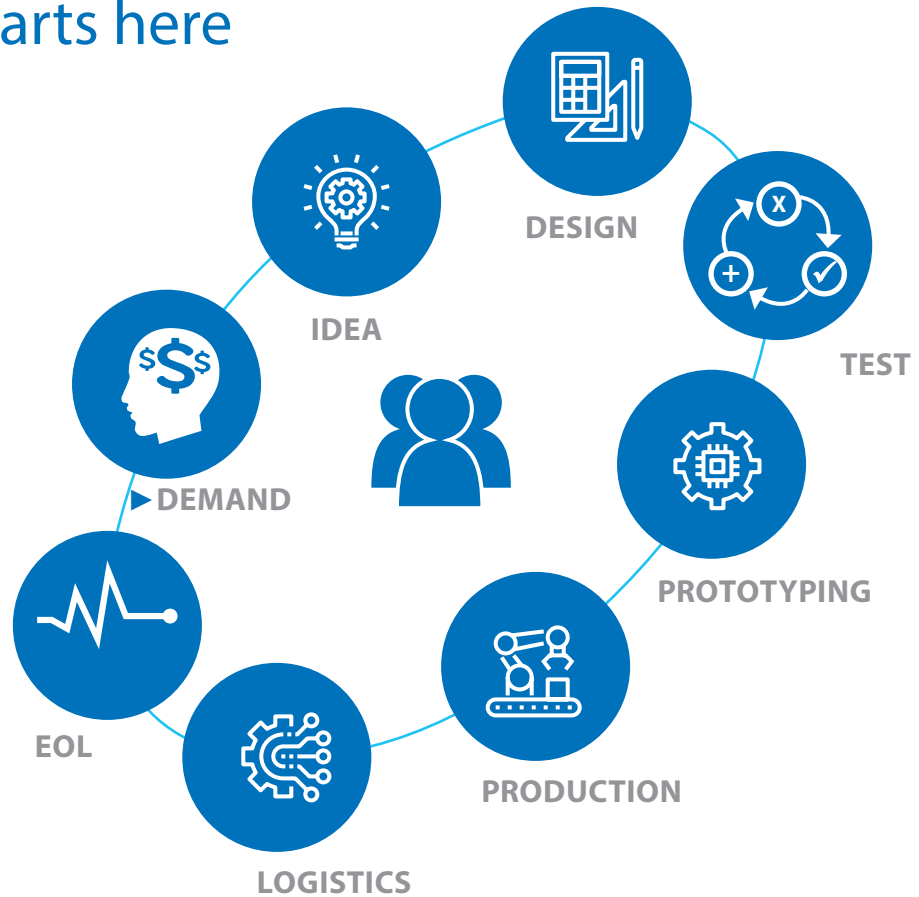


## Power over Ethernet Controllers

Silicon Labs' power portfolio includes Power over Ethernet (PoE) powered device (PD) controllers, power sourcing equipment (PSE) controllers and PSE power management ICs that address both ends of the Ethernet cable.



# Co-creation starts here



## ELECTRONIC COMPONENT SOLUTIONS

- Semiconductors
- Passives
- Electromechanical
- Photonics

- Wireless Modules
- Wireless Boxed
- Networking & Connectivity

## WIRELESS & NETWORKING

## DISPLAY & TOUCH

- Display
- Touch

- LED
- Solid State Lighting

## LED & SOLID STATE LIGHTING

## EMBEDDED COMPUTING

- SBC, CPU & IPC
- Memory Storage
- Rugged Mobile Computing

- Power Conversion
- EMC

## POWER & EMC

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Alcom electronics bv

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