No matter what IoT application you are developing, or what industry you are transforming, we are creating the devices, solutions and tools to help you make it as efficient and flexible as possible. Do more and use less, Think ON.

Visit us at EMBEDDED WORLD 2017
Hall 4A Booth #110

ON Semiconductor will demonstrate a variety of new developments including a new IoT Development Kit, smart passive sensors, USB type-C, Bluetooth Low Energy, A4WP wireless charging solutions, and more.

In addition, a virtual reality demo will highlight the company’s complete portfolio of solutions for the Smart Home. Visitors can touch and interact inside a virtual world to experience the innovative power of ON Semiconductor!

ON Semiconductor booth will focus on three main areas:

1) IoT and Wireless

   IoT Development Kit – Makes it easier than ever to be efficient
   o Highly flexible, rapid prototyping platform; Easier Design: configurable applications with industry standard interfaces and software support; Fast time to market: multiple shields for Sensor Interface, Wired and Wireless Connectivity, and Motor Control/Actuators

   RSL10 Bluetooth® Low Energy and -2.4GHz Proprietary Wireless Solution for Ultra-Low-Power Applications - LAUNCH
   o RSL10 is an ultra-low-power, highly flexible multi-protocol 2.4 GHz radio specifically designed for use in high-performance wearable and medical applications. With its ARM® Cortex®-M3 Processor and LPDSP32 DSP core, RSL10 supports Bluetooth® Low Energy technology and any 2.4 GHz proprietary protocol stack-, without sacrificing power consumption

   Motion Detection application developed with Sigfox - “My PIR” gadget
   o Detect movements in your home or office while you are not there, and receive notifications! We offer 60 Sigfox-connected, plug-and-play infrared sensors during the 3 days of the event!!
Our Portable Audio Solution (Bluetooth® Stereo Audio Streaming):
  o LC823450 is an Innovative multi-core audio processing device enabling true wireless stereo synchronization over RF channels such as Bluetooth. The demonstrator also features a high efficiency low THD class-D amplifier as well as a battery fuel gauge and USB-C charging solution, enabling high output power from a single cell Li-Ion battery.

2) Power Delivery and USB-C

Wireless Charging A4WP solutions for the 2W, 15W and 50W applications
  o Complete A4WP system solution support via a BLE using scalable RX SCY1751, and scalable TX (SCY6992)
  o SCY1751/6992 supports variable power from 2W to 50W with >70% DC to DC efficiency

USB-C power delivery
  o A comprehensive family of USB PD and type-c solutions, for travel adaptor, power bank, car charger and wall plug applications
  o Monitor and control USB port configuration with different applications including real-time fast role swapping

3) Automotive

MARS - Modular Automotive Reference System
  o Optimized for development of camera solutions in real life systems, the SERDES connection will allow direct plug-in to customer or partner motherboard, Supports any combination of ON Semiconductor Image Sensor, Image Sensor Processor and PHY

We will be also showcasing our new programmable Omni Clock Device, NB3H73113G, for embedded applications. The I2C/SMBus interface allow users to effectively re-program the device on the fly and in real-time

To schedule a meeting and a private demo tour, contact your ON Semiconductor Sales Representative or send a request to events@onsemi.com

Questions: events@onsemi.com  |  More: http://www.onsemi.com/Embedded World 2017