

# Energy Harvesting Bluetooth® Low Energy Switch

Reference Design || no battery – no wire



ZF's Energy Harvesting Generator



ZF Generator & ON Semiconductor SiP



Energy Harvesting Bluetooth Low Energy Switch



Bluetooth Low Energy Receiver with LED driver



Packages are simultaneously received on mobile phones via app

- Complete reference design to develop batteryless 2.4 GHz Bluetooth Low Energy IoT applications with lower manufacturing costs and easier maintenance
- Based on RSL10 SiP, complete System-in-Package (SiP) featuring the industry's lowest power Bluetooth 5 radio from ON Semiconductor
- Provides an RF range up to 10 m (indoor at 0 dBm)
- Easy connect to standard BLE scanner or mobile / lighting applications (IOS® and Android™)
- Add additional sensor and actuator functionalities using ON Semiconductor's compatible IoT Development Kit (IDK) and Bluetooth IoT Development Kit (B-IDK) platforms
- Pairing to wireless-enabled devices through pre-programmed MAC addresses, a dynamic list of associated switches, or via mobile app
- Easy fits into ZF's energy harvesting components
- Target Markets and Applications: Smart Home, Building Automation, Healthcare, Alarm Systems, Transportation

