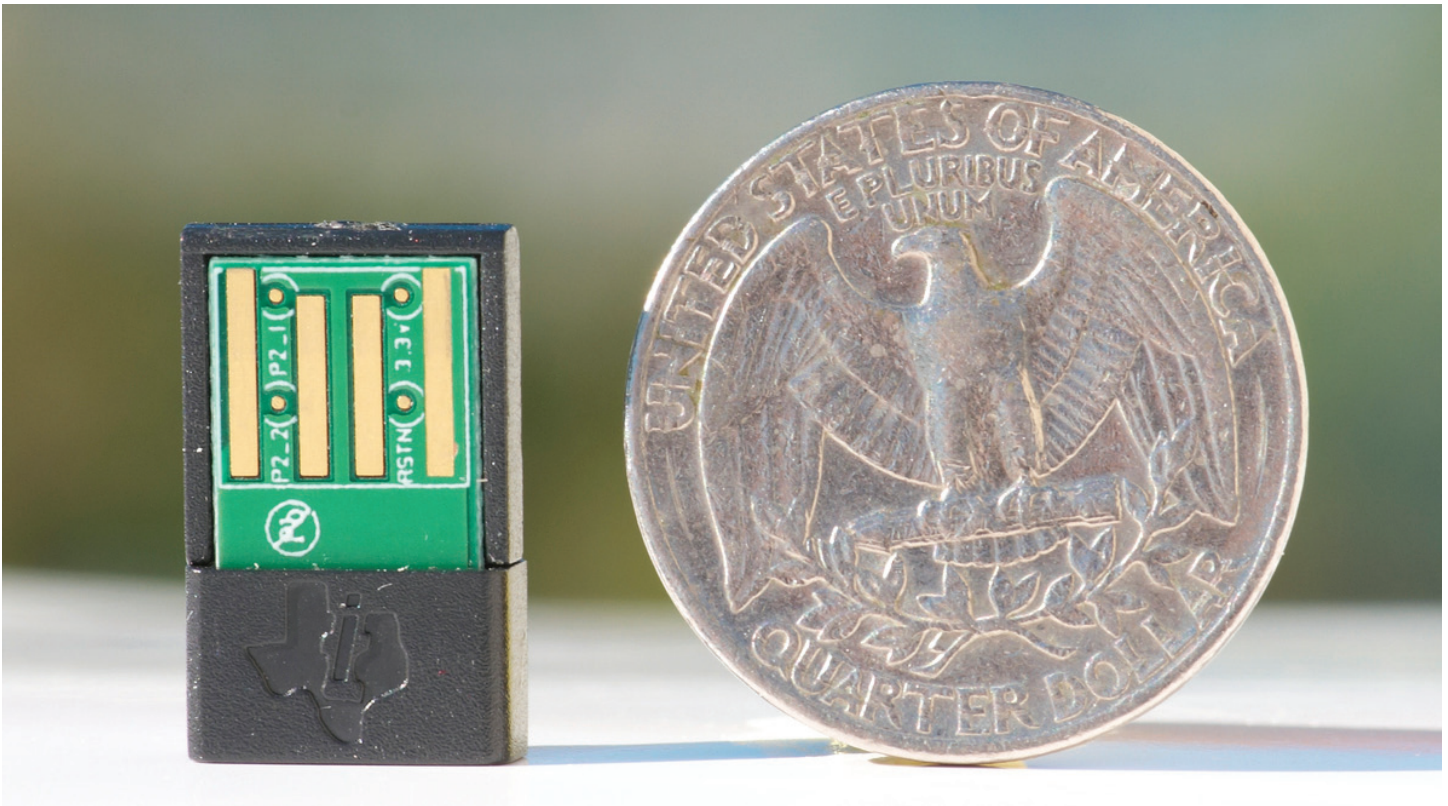


ZigBee® RF4CE Advanced Remote Control



TI's ZigBee® RF4CE solution enables design of advanced remote control devices for more intuitive and enjoyable remote control user experiences. With TI's ZigBee RF4CE ZID (ZigBee Input Device) profile based solution, manufacturers can quickly deliver remote controls with mouse-like pointing and keyboard functionality, as well as gesture- and touch-based input controls, for applications such as TVs, set-top boxes and game consoles.



TI's latest ZigBee RF4CE solution includes

- Royalty-free RemoTI™ 1.3 protocol stack with sample application software
- ETSI-compliant and FCC-certified CC2531 nano USB module
- Advanced Remote Control development kit
- CC2533 system-on-chip optimized for IEEE 802.15.4 based remote-control applications
- Extensive worldwide support and tools

TI's ZigBee RF4CE RemoTI 1.3 protocol stack with ZID profile-support, together with the advanced remote development kit, drives quick prototyping and development of next-generation remote control devices. The ETSI-compliant and FCC-certified CC2531 nano USB module and reference design enables easy addition of ZigBee RF4CE ZID capabilities to devices with USB ports. The production-ready module measures only 9.5 mm x 16.6 mm.

TI's proven CC253x ZigBee RF4CE system-on-chip offers pin-to-pin compatibility with TI's *Bluetooth*® low energy CC254x system-on-chip family, which enables developers to build future-proof designs that can easily implement both standards.

TI's ZigBee RF4CE remote control solutions: Key features and benefits

- ZigBee RF4CE RemoTI 1.3 protocol stack with ZID profile-support
 - Non-line-of-sight operation and two-way wireless communications
 - Pointing mouse functionality: Reference design with six-axis motion sensing
 - Motion and gesture control functionality: RemoTI 1.3 and advanced remote kit include support for Movea SmartMotion™ firmware
 - Complete set of sample applications for target and controller nodes
 - PC-based tools for development and test

- Pin-to-pin compatibility with TI's *Bluetooth* low energy CC254x SoC
- Production-ready CC2531 nano USB module and reference design:
 - ETSI-compliant and FCC-certified
 - Very small size: Only 9.5 mm x 16.6 mm
- Enables single-chip remote controls to be built with low power, high reliability and low cost:
 - Best-in-class coexistence with Wi-Fi®, *Bluetooth* technology and Wi-Fi, *Bluetooth* 2.4 GHz devices
 - Proven CC253x family of 802.15.4 RF-IC radios

Important Notice: The products and services of Texas Instruments Incorporated and its subsidiaries described herein are sold subject to TI's standard terms and conditions of sale. Customers are advised to obtain the most current and complete information about TI products and services before placing orders. TI assumes no liability for applications assistance, customer's applications or product designs, software performance, or infringement of patents. The publication of information regarding any other company's products or services does not constitute TI's approval, warranty or endorsement thereof.

The platform bar and Zigbee are trademarks of Texas Instruments. The *Bluetooth* word mark and logos are owned by the *Bluetooth* SIG, Inc., and any use of such marks by Texas Instruments is under license. All other trademarks are the property of their respective owners.

A042210