

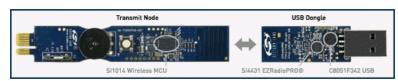




RF to USB Reference Design

RF-to-USB2-RD

Note: the RF to USB reference design is not recommended for new designs. For new designs, please visit the MCU Development Tools page for current kits.



The RF to USB Reference Design is a simple tool to demonstrate, evaluate and develop with Silicon Labs' low power subgigahertz MCUs. The kit features two Si1014 Wireless MCU-based node boards, a dongle based on the Si4431 transceiver and C8051F342 USB microcontroller, programming adapter and accessories.

As a demonstration, the kit shows a typical wireless data collection example in which low power sensing nodes transmit data to a PC application via a USB node. The sensing nodes sleep in a low-power mode, running directly off of a single AAA battery, until activated by a key press.

Potential applications include:

- Weather station sensors
- Home healthcare or exercise monitors
- Home automation
- Security

The RF-to-USB2 Reference Design kit includes:

- Si1014 Wireless MCU Sensor Node (2)
- EZRadioPRO® C8051F342/Si4431 Dongle
- ToolStick Programming Adapter
- AAA Batteries (2)
- Retractable USB Extension Cable
- RF-to-USB2 User's Guide
- Software Download Package
 - Including PC demonstration, IDE and code examples
- Hardware Download Package
 - Including PCB design files, gerber files and bills of material

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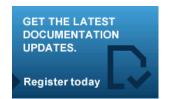
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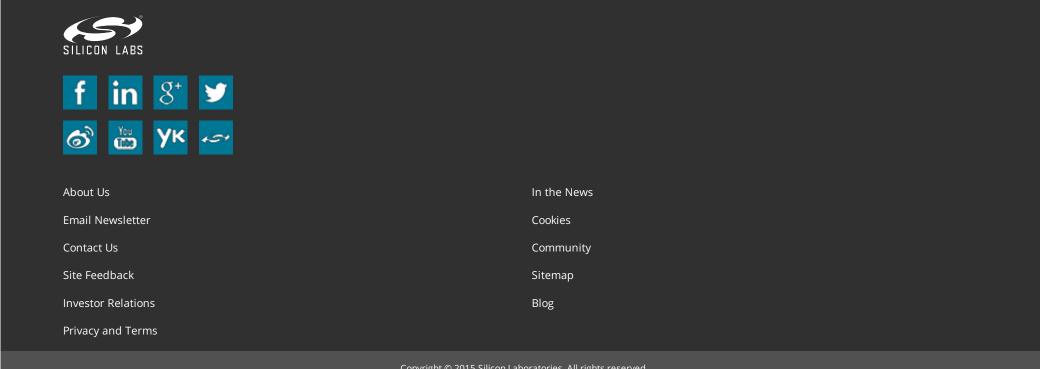
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