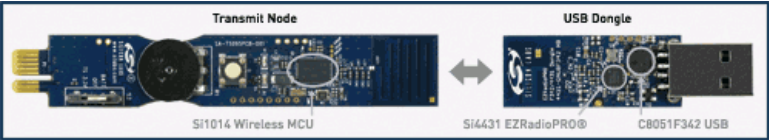


RF to USB Reference Design

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 sub-gigahertz 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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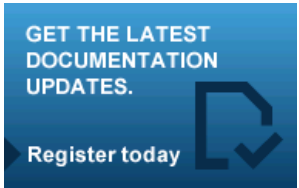
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