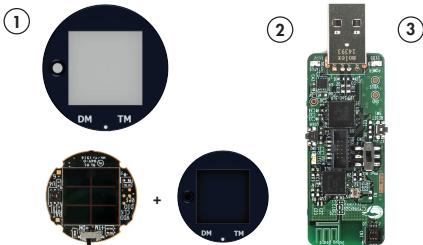


SOLAR-POWERED BLE SENSOR BEACON RDK



Kit Contents:

- 1 Solar-Powered BLE Sensor Beacon (Solar BLE Sensor)
- 2 BLE-USB Bridge and Debug Board (Debug Board)
- 3 Quick Start Guide (this document)



<http://www.cypress.com/CYALKIT-E02>



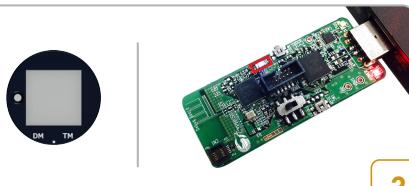
1

- Set the Slide Switch (SW3) on Debug Board to PRoC BLE side.



2

- Connect the Debug Board to your PC's USB port. This demo does not require installing the drives.



3

- Place the Solar BLE Sensor under an indoor light source.
- A Blue LED on the Debug Board will blink. Note that time interval of blinking is depended on light brightness, refer to following example. (Ex. 200 lux=1min, 500 lux=30 sec, 1000 lux=10 sec)



Cypress BLE-Beacon



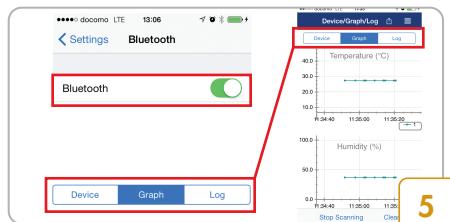
Cypress BLE-Beacon

4

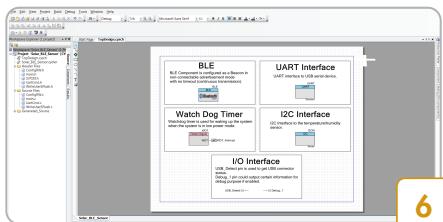
- To evaluate the sensor data using Apps, please download the **Cypress BLE-Beacon** Apps from either App Store or Google play. Note that supported mobile devices are the following. iOS 8 or newer / Android 4.4 or newer

Note: If evaluating this demo near another Solar BLE Sensor or Solar-Powered IoT Device Kit, the Blue LED on Debug Board may blink continuously. In this case, disable transmitting BLE data of all other kit, then repeat step 3.

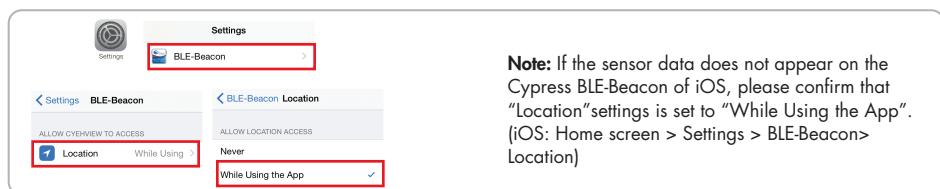
SOLAR-POWERED BLE SENSOR BEACON RDK



- Turn ON the Bluetooth setting on your device, and then run the Cypress BLE-Beacon Apps.
- The Cypress BLE-Beacon window appears, and change the view mode to "Graph". You can check the sensor data on Graph window.

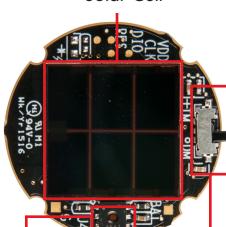


- To get started, download and install the Solar-Powered BLE Sensor Beacon RDK example projects, documents, and hardware design files from www.cypress.com/CYALKIT-E02



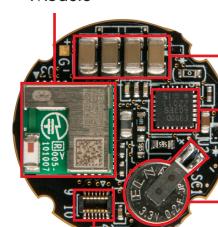
Solar BLE Sensor Board Details

15 x 15 mm
Solar Cell



Temperature and
Humidity Sensor Slide Switch for
S6AE103A mode select

EZ-BLE™ PRoC™
Module



Connector for Power,
SWD, UART, GPIO

400 μ F
Storage Capacitor
Energy Harvesting Power
Management IC
S6AE103A

0.2 F Super
Capacitor