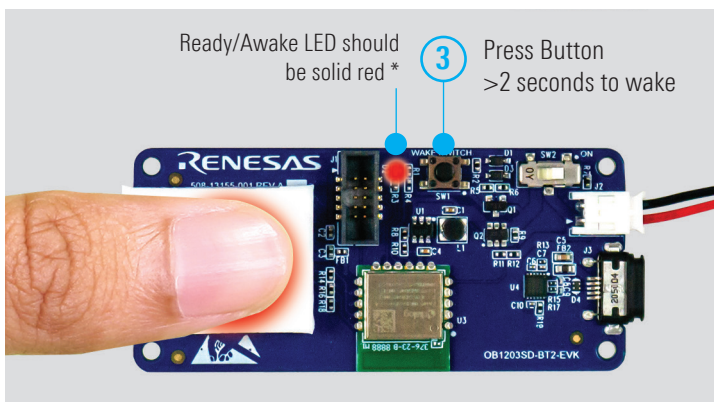
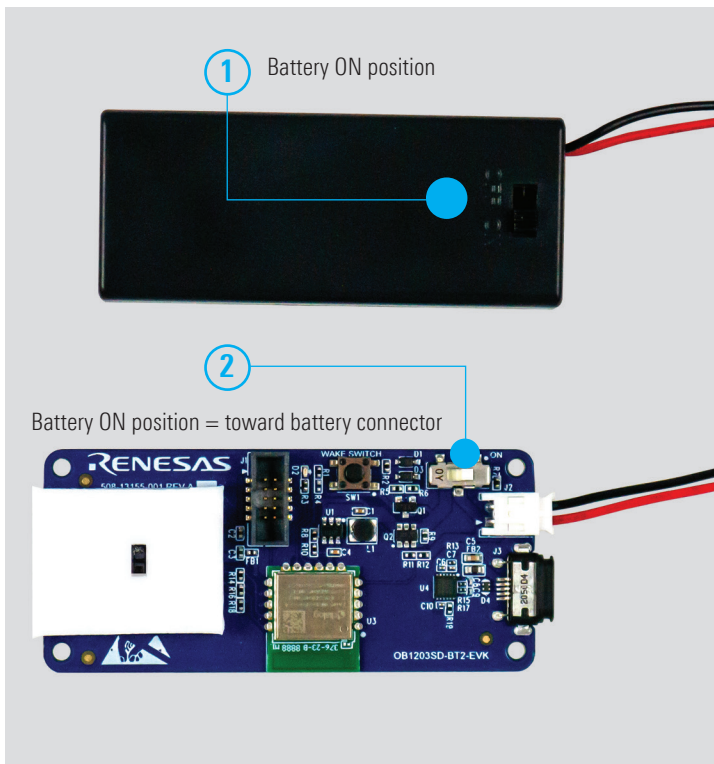


OB1203SD-BT2-EVK QUICK START GUIDE

Evaluation kit for Heart Rate, SpO2, and Respiration Rate

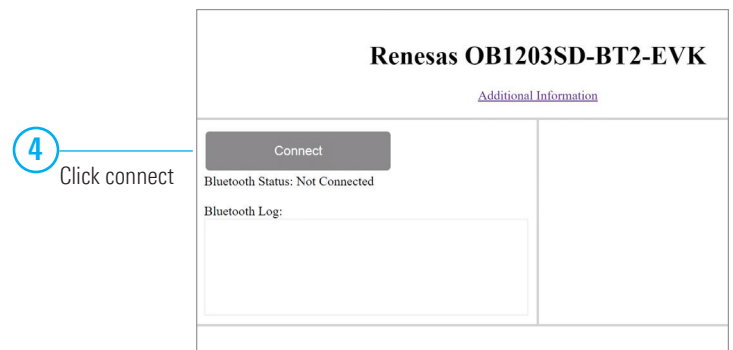


Go to: renesas.com/ob1203sd-bt2-evk/dashboard.html

Note: The Web Application runs on Microsoft Edge or Google Chrome using a Windows PC (V10 or above). It uses the computer's built in Bluetooth (BLE) capability to connect to the EVK. PC's Bluetooth must be enabled.

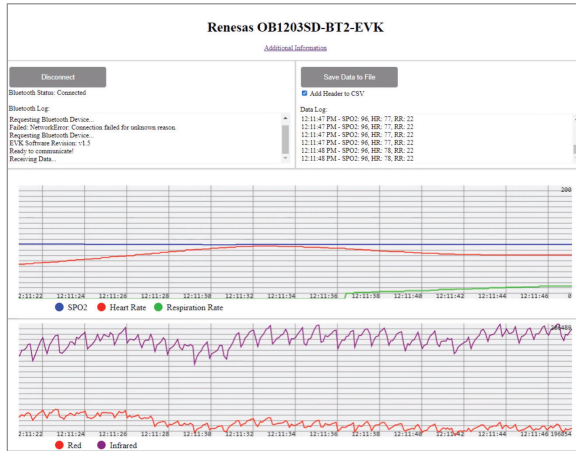
Compatible browsers are listed here: caniuse.com/web-bluetooth

*OB1203SD-BT2-EVK will time out after ~30s without a finger on the sensor to extend battery life.



OB1203SD-BT2-EVK QUICK START GUIDE

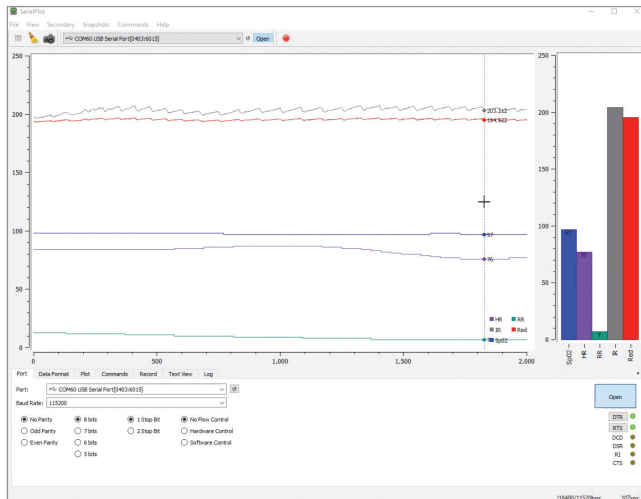
7 Observe and evaluate



Optionally the measurements can be observed using a USB cable and SerialPlot.

hackaday.io/project/5334-serialplot-realtime-plotting-software/log/192838-serialplot-v012-release

Note: USB connection must be plugged in AFTER the board is powered up (red LED on).



Port: Baud Rate 115200, No Parity, 8 bits, 1 Stop Bit, No Flow Control

Data Format: ASCII, Number of Channels: 5, Column Delimiter: comma

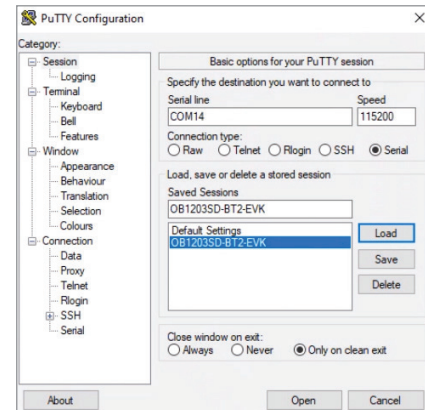
Notice and Disclaimer

The OB1203SD-BT2-EVK is provided for reference, demonstration, and/or evaluation. No performance is guaranteed or warranted, nor is fitness or suitability for any medical device application claimed. Renesas will not indemnify customers using any part of the provided reference code. OEM is responsible for performance of products made using any of the provided reference code. For general questions contact Renesas. In addition, for medical devices Renesas strongly recommends to consult a medical device regulatory compliance advisor

Optionally the measurements can be observed using a USB cable and PuTTY

chiark.greenend.org.uk/~sgtatham/putty/latest.html

Note: USB connection must be plugged in AFTER the board is powered up (red LED on).



```
COM60 - PuTTY
96,80,17,21588,20253
96,80,17,17722,16631
Sent reset
Note up! Switch to BIO_MODE.
Sent reset
SPO2 [%], HR [bpm], RR [bpm], IR Count, Red Count
0,0,0,43474,28834
0,0,0,43780,29071
0,0,0,44109,29309
0,0,0,44415,29592
0,0,0,44812,29835
0,0,0,45128,30073
0,0,0,45521,30367
0,0,0,45878,30532
0,0,0,46146,30814
0,0,0,46268,30864
0,0,0,46421,31070
0,0,0,46766,31244
0,0,0,46913,31486
0,0,0,47166,31533
0,0,0,47474,31714
0,0,0,47724,31895
0,0,0,47847,31999
0,0,0,48014,32093
```



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