

RFD77802 Project Kit

The RFD77802 project kit is part of the Simblee quick start development environment. The project kit allows you to develop device to device communications using SimbleeCOM, and evaluate the 3ms latency, 10us accuracy, to build Mesh networking prototypes and utilize Simblee-For-Mobile and Simblee Cloud.

The Simblee Project kit is pin for pin compatible with the RFduino development environment.

Kit Includes

- 2x RFD77203 Simblee 29 GPIO Breakout
- 2x RFD22121 USB Programming Shield
- 2x RFD22122 RGB LED/Button Shield
- 2x RFD22126 2xAAA Battery Shield

A True End-to-End IoT System At The Tip Of Your Fingers:

- Ultra Fast 3mS Latency, 10µS Accuracy, Encrypted, Multi-Channel Interference Immune Wireless Communication Using SimbleeCOM
- Unparalleled User Phone and Tablet Experience with Simblee For Mobile
- Bluetooth® Smart and Mesh Networking
- Speedy Cloud Enabled Data Handling
- Arduino Programmable, OTA Updatable
- Designed and Manufactured in the USA
- ETSI, CE, IC, FCC Approved, Integrated Antenna and More...

See It In Action!



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- *Bluetooth® Smart*
- *Simblee interference immunity*
- *3ms latency*
- *10us accuracy (jitter)*
- *Physical range adjustable from a few inches to hundreds of feet*
- *Build iPhone and Android apps without Xcode or the Android SDK*
- *FCC, IC, CE, TELEC compliance approved*
- *Built in AE encryption engine*
- *29 GPIOs (flexible pin configuration)*
- *<3uA ULP with clock running (run for years on a coin cell)*
- *600 nA ULP sleep mode*
- *ARM Cortex M0 processor*
- *8mA TX @ 0dBm*
- *12mA TX @ +4dBm*
- *10mA RX*
- *Flash code space available for user applications*
- *OTA programming with hardware OTA disable*
- *Internal Antenna*

See the [Simblee data sheet](#) for full specifications, features, pinout guides, circuit diagrams, modes of use, operating conditions, and mechanical specifications

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