Simblee™
Connecting Everyone and Everything

RFD77803
Development Kit

The RFD77803 development kit consists of 16 shields from the Simblee development environment. This kit provides flexibility and the accessories needed to quickly build prototypes that perform device to device communication using SimbleeCom; Try out Mesh networking, Simblee-For-Mobile and Simblee Cloud and evaluate the 3ms latency, 10us accuracy and all the other performance features of the Simblee module.

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

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RFD77803
Simblee Development Kit

Based on **RFD77101 RF Module**

Kit Includes
1x RFD77201 Simblee RFduino Adapter
2x RFD77203 Simblee 29 GPIO Breakout
2x RFD22121 USB Programming Shield
3x RFD22122 RGB LED/Button Shield
1x RFD22123 Servo Shield
1x RFD22124 PCB USB Programming Shield
1x RFD22125 Prototyping Shield
1x RFD22126 2xAAA Battery Shield
1x RFD22127 1xAAA Battery Shield
1x RFD22128 CR2032 Battery Shield
1x RFD22130 microSD Shield
1x RFD22131 Dual Relay 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...

www.simblee.com

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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