

RAK_LB801 LoRaButton Datasheet V1.0

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1. Introduction

RAK_LB801 LoRaButton is a remote wireless trigger designed based on the LoRaWAN protocol. It supports user-defined functions for each key and supports LoRaWAN working mode, which allows users to easily link to the LoRaWAN network.

This product is also a LoRa product developed based on the LoRaWAN 1.0.2 protocol, which means that it supports all prevailing regional frequency bands such as EU433,CN470,AS923, AU915, EU868, KR920, US915 and IN865.

RAK_LB801 LoRaButton By connecting the serial port configuration parameters, you can achieve flexible parameter settings, to avoid the inconvenience of adding a fixed parameter. It also supports ABP and OTAA two ways to join network, greatly increased the use of the product scene.

The product has a standard data format, the user can define their own data format applications. And this product has passed myDevices Cayenne device certification, the user can directly add this device to the Cayenne platform, the Cayenne platform will analyze the data to provide users with graphical interface display data, you can also view the device information on the phone APP . Currently does not support internal secondary development, but we provide an interface later will gradually open this feature.



2. Feature

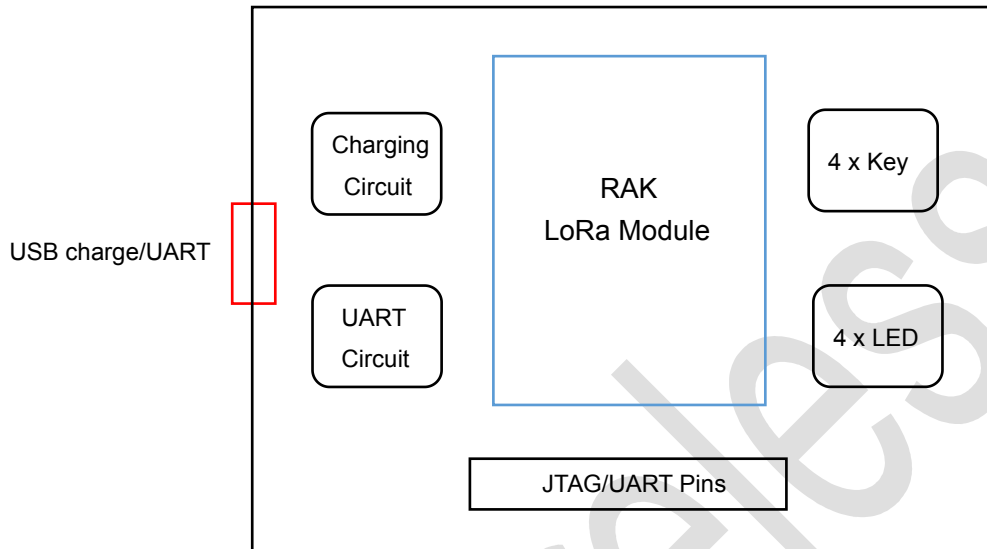
2.1 Specification

Model	RAK_LB801 LoRaButton
Module size	38mm x 52mm
Battery	300mAh (To be ordered individually)
Battery working time	2 year(Chargeable)
Power consumption	Tx 30ma , Standby 10ua
Operation temperature	-20°C ~ 60°C
Working environment	Indoor or outdoor
Equipped with module	RAK811
LoRaWAN Version	V1.0.2
Network Activation way	ABP and OTAA
Upgrade Method	Serial port

2.2 Application

- Smart home
- Home video
- Control lights
- Snooze button
- Take picture
- Wireless trigger
- Remote switch

3. System Diagram



4. Ordering Information

Product	Describe	Activation
RAK_LB801 LoRaButton	LoRaWAN Region Support EU433,CN470,EU868,US915, AS923,AU915,KR920,IN865(D ifferent regions can be switched by upgrading different firmware)	OTAA/ABP

5. Contact information

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6. Revision History

Version	Date	Change	Author
V1.0	2018-05-08	First release	Chace