

QS-PS

Data Broadcasting Device

Datasheet

Part #	Description
QS-PS	The QS-PS data broadcasting device with the latest Bluetooth 5.0 tech and accelerometer inside, mostly helps users in different industries to realize asset or inventory tracking. Also, it is easy for users to wear or carry due to its portable design.

INTRODUCTION

QS-PS with the built-in accelerometer can detect if an object (QS-PS attached) is moving or falling. It can be used for asset tracking, activity monitoring, inventory tracking, etc., in different industries. The user can configure the E8S tag beacon via configuration app BeaconSET+ as well.

FEATURE

- Advertise iBeacon & Eddystone & Sensor data
- Bluetooth® 5.0 chipset nRF52 series
- Low power consumption 3-axis accelerometer
- Included 1pc CR series coin battery replaceable
- The max.60 meters advertising distance
- Compact housing with a key-chainhole



QS-PS

APPLICATION

- Asset tracking
- Activity monitoring
- Inventory tracking

ACCESSORY

- Double-sided adhesive

ACTIVATE E8S

- Takeout the plastic battery sheet from QS-PS to activate device;

CONFIGURATION TOOL

- BeaconSET+ (iOS & Android)

ELECTRONIC PARAMETER

Item	Value	Remarks
Case Color	white	Other colors can be customized
Battery Model	1 x CR series	230mAh, 3.0V
Operation Voltage	1.8-3.6V	DC
Transmission Current	5.3mA (peak current)	Tested at 0dBm transmission power
Transmission Range	60 meters	Maximum
Sampling Interval	900ms	Accelerometer
Sampling Accuracy	+/- 2g	Default
Antenna	50ohm	On board / PCB Antenna
Size	36.5*23.7*5mm	Null

PARAMETER SETTING

Each QS-PS data broadcasting device has been pre-configured in the factory before the shipment. Here below is given the main parameters and default settings.

Type	Item	Default Settings
iBeacon	UUID (16 bytes)	E2C56DB5-DFFB-48D2-B060-D0F5A71096E0 (Proximity)
	Major (2 bytes)	0
	Minor (2 bytes)	0
	Measured Power	-59dBm9 (0xC5)
	Tx Power	0dBm
	Interval(ms)	900ms
UID	Instance ID	Random
	Namespace ID	Random
	Measured Power	-24dBm
	Tx Power	0dBm
	Interval(ms)	2000ms
URL	URL	http://www.minew.com
	Measured Power	-24dBm
	Tx Power	0dBm
	Interval(ms)	2000ms
TLM	Electricity mV	By default
	Boot time	By default
	PDU packets	By default
	Measured power	-24dBm
	Tx power	0dBm
	Interval(ms)	4000ms
INFO	Device name	QS-PS
	Electricity	By default

	MAC address	Factory setting
	Measured power	-24dBm
	Tx power	-8dBm
	Interval(ms)	4000ms
ACC	X-axis	1. It depends on beacon's real status, static or movement 2. Only working when beacon with accelerometer sensor
	Y-axis	
	Z-axis	
	Measured Power	-24dBm
	Tx power	0dBm
	Interval(ms)	4000ms

COMPATIBILITY

Supporting device&system	Module of Supporting device
BLE	BLE4.2 and above
iOS7.0 and above	iPhone4S, iPhone5/5C/5S iPhone6/6Plus/6S/6SPlus,iPhone7/7Plus iPad mini/mini2/4/Air/pro, etc.
Android4.3 and above	Samsung Xiaomi ,Huawei ,OnePlus, Vivo, OPPO, etc.

PACKING INFORMATION



Details	Inner Box(Battery included)	Outer Box(Battery included)
Quantity(QS-PS)	80pcs / box	800pcs / carton
Net Weight	520g	5.2Kg
Gross Weight	750g	8Kg
Size	30.5 x 11 x 7.2 cm	32 x 23.5 x 40 cm

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction