



Shenzhen Feasycom Technology Co.,LTD

www.feasycom.com

Address: Rm 2004,20F,Huichao Technology Bldg,Jinhai Rd,
Xixiang ,Baoan Dist,Shenzhen,518100,China.

Tel: 86-755-23062695

FeasyBeacon Super

FSC-BP109

Bluetooth Long Range Beacon

Datasheet Version 1.3



FeasyBeacon Super is an USB-powered Bluetooth 4.0 super long range beacon, which comply with iBeacon,Eddystone, AltBeacon technology. With professional “FeasyBeacon” APP work via iOS and Android System, support 10 slots broadcast advertising frames. Transmit distance reach up to 4000m in very open space.

FeasyBeacon Super with CSR8811 Chipset, is specially customized for solving the poorer coverage problem , particularly suitable for retail, stadium, museum, hospital, exhibition, hotel, restaurant and the remote area wireless communication application ,etc.

FeasyBeacon Super can be powered by any electronic device with USB port or directly by the AC power via an AC/DC power supply with the USB Port. This ensures an endless operating life, without any maintenance & extra cost for battery replacement.

FCC,CE, ROHS Certification available.

Advertising	
iBeacon Version	
User-configurable characteristics	UUID,major and minor numbers, tx power at 1m
Advertising interval	0.1 to 1 sec (programmable,with 0.1 sec steps)
Secure config	access password, connectable/ non-connectable
Switch	iBeacon on/off
AltBeacon Version	
User-configurable characteristics	UUID,major and minor numbers, tx power at 1m
Advertising interval	0.1 to 1 sec (programmable,with 0.1 sec steps)
Secure config	access password, connectable/ non-connectable
Switch	AltBeacon on/off
Eddystone Version	
User-configurable characteristics	UUID,major and minor numbers, tx power at 1m
Advertising interval	0.1 to 1 sec (programmable,with 0.1 sec steps)
Secure config	access password, connectable/ non-connectable
Switch	Eddystone on/off
Product Specification	
Core module	CSR8811 + RF Power Amplifier
MCU core	ST ARM 32-bit Cortex-M4 CPU
Max Number of Broadcast	10 Slots configurable advertising frames
Default Broadcast Interval	150ms for iBeacon & Eddystone
APP Configuration Code	Pin Code: 0000
Current consumption	Radio TX: 225 mA (@ 18.5dBm) Radio RX: 225 mA Idle mode: No support
Upgrade Mode	OTA (over the air update firmware), support iBeacon and Eddystone,AltBeacon adv at the same time
Bluetooth Standard	Bluetooth 4.0 Smart Ready(Dual Mode)
Frequency band	2.402 to 2.480 GHz (according Bluetooth 4.0 specifications, worldwide ISM band)
Advertising channels	Classic Bluetooth: 2.402GHz~2.48GHz BT4.0: CH37 (2.402 GHz), CH38 (2.426 GHz), CH39 (2.480 GHz) (according Bluetooth 4.0 specifications)
Channel spacing	1MHz Or 2MHz (according Bluetooth 4.0 specifications)
TX power	+18.5 dBm (Max)
Support system	iOS 7.0+,Android4.3+
Android config app	Yes
iOS config app	Yes
Work distance	In open area: iOS System: 4000m Android System : 1000m
Antenna Type	Whip Antenna (SMA interface)
Gain	6dBi (Max)

Radiation diagram	Omni-directional
Power supply	USB
Voltage	5V (typ.)
Material	ABS plastic
Color	Black
Size	9 X 3.8 X 2.2 cm(not including antenna)
Net weight	54g
Packing Size	22.5*8.5*3cm
Protection	IP40
Operating temperature	-40°C to +85°C
Certification	CE,ROHS,FCC

Feasycom reserves the right to change product specifications at any time without prior notice.

iBeacon is a trademark of Apple Inc., Eddystone is a trade of Google Inc.