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FeasyBeacon Super

FSC-BP109

Bluetooth Long Range Beacon

Datasheet Version 1.5

FeasyBeacon Super BP109 is an USB-powered Bluetooth 4.2 super long range beacon, which comply with iBeacon, Eddystone, AltBeacon technology. With innovative "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 BP109 with CSR8811 Chipset, is specially customized for solving the poorer coverage problem, suitable for, stadium, museum, exhibition, hotel, restaurant and the remote area wireless communication application, etc.

FeasyBeacon Super BP109 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 Specification	
Advertising Format	Eddystone (URL/ UID/ TLM/ EID), iBeacon, AltBeacon
Config App	FeasyBeacon (Free for lifetime using)
APP Pin Code	000000
Advertising Interval	100ms-1200ms
Secure Config	access password
Max Number of Broadcast	10 Slots configurable advertising frames
Default Broadcast Interval	150ms for iBeacon & Eddystone
Support System	iOS 7.0+, Android4.3+
Work Distance	In open area: iOS System: 4000m Android System : 1000m
Upgrade Mode	OTA (over the air update firmware)
Product Specification	
Model	BP109
TX power	+18.5 dBm (Max)
Power Supply	5V USB
Core Module	CSR8811 + RF Power Amplifier
MCU Core	ST ARM 32-bit Cortex-M4 CPU
Current Consumption	Radio TX: 225 mA (@ 18.5dBm)
Bluetooth Standard	Bluetooth 4.2 Version
Frequency Band	2.402 to 2.480 GHz (according Bluetooth 4.0 specifications, worldwide ISM band)
Antenna Type	Whip Antenna (SMA interface)
Radiation Diagram	Omni-directional
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.