

Card Beacon

Datasheet

Date: 2022-8-9

Part #	Description
C10	The C10 is a fashionable card beacon with BLE5.0 and a 100m broadcasting transmission range, mostly designed for personnel management, workflow optimization and indoor positioning, etc; also, patients in hospitals or staff in the workplace with C10 can push the panic button for help.

INTRODUCTION

The C10 is mostly used for asset tracking and location, personnel tracking, activity monitoring, inventory tracking, etc. The user can configure the C10 card beacon via BeaconSET+ App.

The push button on C10 is a panic/emergency/SOS button. LF(125KHz), HF(13.56MHz), UHF(868~915MHz) RFID are optional.

FEATURE

- Advertising iBeacon & Eddystone & Sensor data
- Bluetooth® 5.0 chipset nRF52 series
- The max. 100 meters advertising distance
- Waterproof IP65 housing with key-chainhole
- Push button for emergency using
- 3-axis accelerometer & 3 RFID options



C10 Card Beacon

APPLICATION

- Asset tracking and location
- Personnel tracking
- Activity monitoring
- Inventory tracking

ACCESSORY

- Double-sided adhesive

ACTIVATE C10

- Pressing “power button” and keeping on 3seconds;
- The LED lights on 5 seconds then off, the device be activated on.

CONFIGURATION TOOL

- BeaconSET+ (iOS & Android), the C10 can be turned off only by app BeaconSET+.

FIRMWARE UPGRADE

1. J-LINK Programmer Kit;
2. Programming ports definition;
3. OTA Available

Please contact MINEW sales team to ask more related information if needed.

ELECTRONIC PARAMETER

Item	Value	Remarks
Case Color	White	Other colors can be customized
Battery Model(optional)	3.0V, 1pc, 800mAh (LF/HF)	Li-Poly, non-rechargeable & non-replaceable
	3.0V, 1pc, 500mAh (UHF)	Li-Poly, non-rechargeable & non-replaceable
Operation Voltage	1.8-3.9V	DC
Operation Temperature	-20~60°C	Null
Transmission Current	7.4mA (peak current)	Tested at 0dBm transmission power
Transmission Range	100 meters	Maximum
Antenna	50ohm	On board / PCB Antenna
Size	85.5*54*4.5mm	Null
RFID Read distance	LF > 20mm	RFID Desktop reader
	HF > 30mm	
	UHF > 50mm	

PARAMETER SETTING

Each C10 card beacon 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 (On)	Instance ID	Random
	Namespace ID	Random
	Measured Power	-24dBm(0xE8)
	Tx Power	0dBm
	Interval(ms)	2000ms
URL (On)	URL	http://www.minew.com
	Measured Power	-24dBm(0xE8)
	Tx Power	0dBm
	Interval(ms)	2000ms
TLM (On)	Electricity mV	By default
	Boot time	By default
	PDU packets	By default
	Measured power	-24dBm(0xE8)

	Tx power	0dBm
	Interval(ms)	4000ms
INFO (On)	Device name	C10
	Electricity	By default
	MAC address	Factory setting
	Measured power	-24dBm(0xE8)
	Tx power	-8dBm
	Interval(ms)	4000ms
Extra Function	Password	minew123(configurable)
	Connectable	Yes(it is configuration mode)
	Reset factory	available
	Update firmware	available
Sensor (Off)	Sensor Data	Switched Off by default; Switched on by manual; ACC available

COMPATIBILITY

Supporting device&system	Module of Supporting device
BLE	BLE4.2 and above
ios10.0 and above	iPhone6/6Plus/6S/6SPlus, iPhone7/7Plus iPhone8/8Plus, iPhoneX/xr/xs/xs Max iPhone11/11 pro/11 pro Max 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(C10)	40pcs / box	400pcs / carton
Net Weight	750g	7.5Kg
Gross Weight	850g	9.0Kg
Size	30.5 x 11 x 7.2 cm	32 x 23.5 x 40 cm

CERTIFICATION

iBeacon MFi License (iBC-14-00582)

- Bluetooth® EPL Certification
- FCC Regulations available
- CE Regulations available

DECLARATION

The contents of this datasheet are subject to change without prior notice for further improvement. Minew team reserves the right to explain all the terms of this datasheet.

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