

Wearable Beacon

Model: C6 Datasheet V2.0

Part #	Description
C6-6004A	204160004, Bluetooth 5.0 wearable beacon, pre-flashed MiniBeacon Plus software supports broadcasting iBeacon, Eddystone and sensor data simultaneously
C6-6005A	204160005, Bluetooth 5.0 wearable beacon with NFC tag , pre-flashed MiniBeacon Plus software supports broadcasting iBeacon, Eddystone and sensor data simultaneously

The Wearable Beacon C6 is a new generation beacon that loaded Bluetooth 5.0 hardware platform and MiniBeacon Plus intelligence software. It's a wearable type beacon by neck-string or keychain.

C6 Wearable Beacon advertises standard iBeacon, Eddystone (UID,URL,TLM) and accelerometer sensor data simultaneously. The user can configure the C6 Wearable Beacon via configuration app BeaconSET+ as well.

FEATURE

- Advertise iBeacon & Eddystone simultaneously
- NFC tag inside (option)
- Replaceable coin battery
- Unique MAC address (ITU)
- Bluetooth 5.0 chipset nRF52 series
- The max. 50 meters advertising distance



C6 Wearable Beacon

APPLICATION

- Exhibition tracking
- Indoor location
- Retail promotion
- Activity monitoring
- Inventory tracking

ACCESSORY

- Neck string (default)
- Keychain (option)

CONFIGURATION TOOL

- BeaconSET+ (IOS & Android)

ACTIVATE C6

- **Take out the battery sheet (plastic) from beacon device;**
- **The Wearable Beacon C6 has been activated on after LED lights on 3 seconds and then off**

CERTIFICATION

- iBeacon MFi License (iBC-14-00582)
- FCC Regulation (FCC Part 15.)
- CE Regulations (Included EN300328/301489/60950/62479)

ELECTRONIC PARAMETER

Item	Value	Remarks
Case Color	white	Other colors can be customized
Battery Model	1 x CR2032	1pc coin battery CR2032, 230mAh
Operation Voltage	1.8-3.9V	DC
Transmission Current	5.3mA (peak current)	Tested at 0dBm transmission power
Transmission Range	50 meters	Maximum
Waterproof level	IP65	Null
Antenna	50ohm	On board / PCB Antenna
Size	42 x 31 x 11 mm	Null

PARAMETER SETTING

Each C6 Wearable 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
Eddystone	Instance ID @UID	random (10 bytes)
	Namespace ID @UID	random (6 bytes)
	URL	https://www.minewtech.com
Base Parameters	Measured Power	-59 (0xC5)
	Radio Tx power	6 (0dBm)
	Adv. Interval	9(900mS)
	Beacon ID	random, it is MAC address of beacon actually.
	Beacon Name	PLUS
	Connectable	yes (it is configuration mode)
	Password	minew123 (Allowing only 8 characters)
Extra Function	Reset factory	available
	Power off	available
	Modify password	available
	Remove password	available
	Update firmware	available
NFC	Text	Blank text, configurable by NFC Tools

TECHNICAL DOCUMENT

Item	Version	File Name	Date
Datasheet	V2.0	C6 Wearable Beacon Datasheet	8 th May, 2018
Instruction	V2.0	C6 Wearable Beacon Configuration	8 th May, 2018
SDK	V1.0	Both iOS and Android	28 th December, 2017

PACKING INFORMATION



Details	Box	Carton
Quantity(C6)	16pcs / box	160pcs / carton
Net Weight	0.38Kg	3.8Kg
Gross Weight	0.42Kg	4.2Kg
Size	30.5 x 11 x 7.5 cm	32 x 23 x 40 cm

Firmware Flash

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

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

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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