

# DearBeacon

## Model: E9 Datasheet V1.0

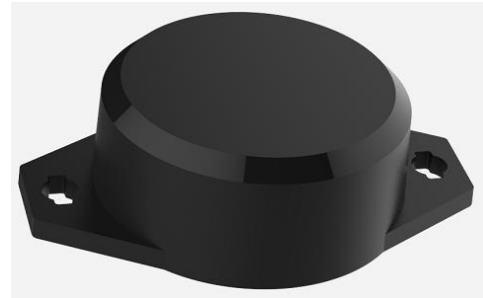
Part #	Description
E9-6001A	204860001, DearBeacon, Bluetooth 5.0, IP67 waterproof, screw fixing, pre-flashed MiniBeacon Plus software supports broadcasting iBeacon and Eddystone simultaneously

The DearBeacon E9 is a new generation beacon that loaded Bluetooth 5.0 hardware platform and MiniBeacon Plus intelligence software. E9 has a smart rotatable mechanical design for the housing that makes the coin battery replaceable and IP67 waterproof grade combination perfectly. Moreover, E9 can be fixed by the screw and 3M adhesive.

E9 DearBeacon advertises standard iBeacon and Eddystone (UID,URL,TLM) data packet simultaneously. The user can configure the E9 DearBeacon via configuration app BeaconSET+ as well.

## FEATURE

- IP67 waterproof;
- Replaceable coin battery 1000mAh
- Advertising iBeacon & Eddystone
- Unique MAC address (ITU)
- Bluetooth 5.0 chipset nRF52 series
- The max. 100 meters advertising distance
- Internal power ON/OFF push button
- Tough enclosure and screw fixing



DearBeacon E9

## APPLICATION

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

## ACCESSORY

- 2 pcs screw

## CONFIGURATION TOOL

- BeaconSET+ (IOS & Android)

## ACTIVATE E9

- **Open the rotatable housing, pressing “push button” and keep holding on 3 seconds;**
- **The LED lights on 5 seconds and then off, the DearBeacon E9 has been activated on;**

## 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	Black	Other colors can be customized
Battery Model	1 x CR2477	3.0V, 1000mAh
Operation Voltage	1.8-3.9V	DC
Transmission Current	5.3mA (peak current)	Tested at 0dBm transmission power
Transmission Range	100 meters	Maximum
Waterproof level	IP67	Tested at 1 meter water
Antenna	50ohm	On board / PCB Antenna
Size	Φ 49 x 66 x 17.5mm	49mm diameter, 66mm length, 17.5mm height

## PARAMETER SETTING

Each E9 DearBeacon 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 (6 bytes)
	Namespace ID @UID	random (10 bytes)
	URL	<a href="https://www.minewtech.com">https://www.minewtech.com</a>
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

## TECHNICAL DOCUMENT

Item	Version	File Name	Date
Datasheet	V1.0	E9 DearBeacon Datasheet	8 <sup>th</sup> May, 2018
Instruction	V2.0	MiniBeaconPlus Configuration Instruction	8 <sup>th</sup> May, 2018
SDK	V1.0	Both iOS and Android	28 <sup>th</sup> December, 2017

## PACKING INFORMATION

Details	Box	Carton
Quantity (E9)	20 pcs	200 pcs
Net Weight	0.45 Kg	4.5 Kg
Gross Weight	0.55 Kg	6.2 Kg
Size	31 x 11 x 8 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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