Light Sensor Beacon

Datasheet V1.0.0

Ordering Code	Description
E6-6001A	Black casing, CE&FCC certified BLE module with a simple light sensor and anti-dismantlement switch, includes 1pc 230mAh CR2032 coin battery, RoHS

The light sensor beacon E6 is the latest basic IoT sensor device with the light sensor and an anti-dismantlement switch. The hardware is based on the ultra-low power consumption BLE chipset nRF52832 and the firmware is compatible with the leverage Bluetooth 5.0 technology.

The light sensor beacon E6 is designed for the commercial advertising, indoor location-based service and specialized for the asset management and tracking application.

FEATURES

- **Programmed Minew basic IoT firmware**
- **Included a light sensor**
- **Included an anti-dismantlement switch**
- **The max. 50 meters advertising distance**
- **Ultra-low power consumption chipset nRF52832**
- **Small size, ultrasonic assembling technology**
- **Easy to print the logo on the center of top case;**

PICTURE

E6 Light sensor Beacon

Image 1

CERTIFICATIONS

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

ELECTRONIC PARAMETERS

Item	Value	Remarks
Case Color	Black	Null
Battery Model	1 x CR2032	230mAh, 3.0V
Operation Voltage	1.7-3.6V	DC
Transmission Circuit	6.5mA (Max.)	Tested at 0dBm transmission power
Transmission Range	50 meters	Maximum
Light sensor	Photoresistor	Null
Broadcasting Interval	10 seconds	Null
Antenna	50ohm	On board / PCB Antenna
Accessories	Double adhesive	1pc, high-strength, 3M brand;
Net Weight	6.5g	With battery but without package
Size	42.5*23.5*5.3mm	Null

TECHNICAL SUPPORT

Item	Version	File Name	Updated Date
Datasheet	V1.0.0	E6 Light Sensor Beacon Datasheet_V1.0.0.pdf	8th April, 2017
2nd Development	V1.0.0	E6 Light Sensor Interface Document_V1.0.0.pdf	8th April, 2017
APP Tools	---	nRFConnect	---

PACKING INFORMATION

Image 2

Details	Inner Box (foam)	Carton
Quantity (E6)	100pcs per package box	1000pcs per carton
Net Weight	0.65kg	6.5Kg
Gross Weight	0.7Kg	7.0Kg
Size	30.5 x 11 x 7.5 cm	32 x 23 x 40 cm

APPDENDIX

1. J-LINK Programmer Kit;
2. Over-the-Air Function;
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.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.