

Environment Tracker Specification

E Series



E Series Environment Tracker



E series is an intelligent environmental monitoring device. It integrates Bluetooth, temperature and humidity sensor, three-axis gravity acceleration sensor, etc. and extended GPIO, which can monitor the temperature and humidity information of the environment and state parameters (motion detection) in real time. It can also broadcast iBeacon, Eddystone and sensor data, as well as transmit and store temperature and humidity sensor data.

The device has the characteristics of portable shell shape, waterproof structure, precise hardware, sturdiness and durability, and external waterproof buttons. It has a large storage space and can store more than 4,000 data. The APP platform monitors data in real time and can be operated at any time, which is convenient and simple.

Main Functions

❖ Real-time Environment

The device regularly uploads environmental temperature and humidity information, which is convenient for customers to query the environmental status. The upload interval can be remotely set through the APP.

❖ Super Compatibility

- Compatible with Apple iBeacon and Google Eddystone;
- Compatible with standard Eddystone Configuration GATT Service;
- Compatible with all Bluetooth 5.0 devices.

❖ Configurable SLOTS and Parameters

- Up to 6 configurable SLOTS;
- Each SLOT can be set to iBeacon, UID, URL, TLM, Device Info and 3-axis Sensor data;
- Device Name, Password, Connection Mode, Advertising Interval, Tx Power and 3-axis Sensor Parameters all are configurable;
- Special Configuration APP (Beacon X Pro), available for iOS and Android.

❖ Flexible Sensor Function

- 3-axis accelerometer has dynamically user-selectable full scales of $\pm 2g/\pm 4g/\pm 8g/\pm 16g$ and the parameter is configurable ;
- 3-axis accelerometer is capable of measuring accelerations with output data rates from 1 Hz to 100 Hz and the parameter is configurable;
- User can get the raw data of the 3-axis sensor sampling data from the device in real time;

❖ Transmission Power Levels

- 9 adjustable grades;
- Transmission power range: -40dBm to +4dBm.

❖ Long Range

- The max. Range 120 meters in the open space;
- The range depends on the environment where the H4 series Beacon is placed.

❖ Security

- Configurable password (1-16 characters);
- With or without password (Lock/Unlock parameters);
- AES-128-ECB, encrypt.

Product Parameters

❖ General Parameters:

Dimension:

88mm*32mm*18mm (EB10)

70mm*32mm*18mm (EB11)

70mm*38mm*18mm (EB12)

Weight: 35g (EB10), 34g (EB11), 38g (EB12)

Operation voltage: 1.8-3.6V

Static Current: 11.7uA

Average Current: 41.2uA

Battery Capacity: 1100mA

Standby Battery Life: 3 years

Operation Temperature: -20°C ~ 70°C

Waterproof level: IP66

❖ 网络参数:

制式: BLE5.0

Application

The device has the characteristics of simple operation, small size, strong signal, more stable performance. It can be used in different environments.



container



storehouse



pet

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