

User Manual



BLE PoE Anchor

1.Introduction

This anchor provides an overall solution of Internet of things for enterprise office. It can track the location of people or objects through Bluetooth and display the location information on Web page and app.

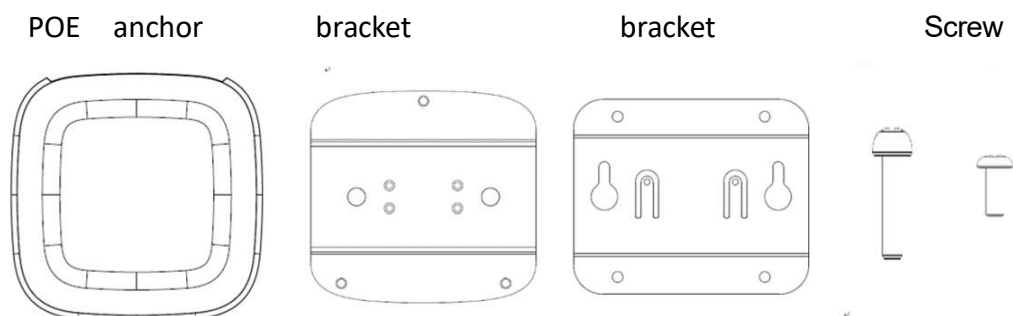
Attention :

- 1.Up to three anchors in series
- 2.The length of the network cable from the last anchor to the switch is less than 100m

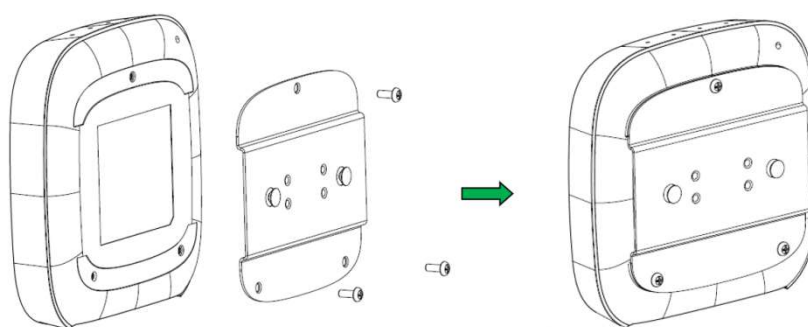
2. Hardware Specifications

Item	Technical Information
Processor	TI ARM Cortex A8
Storage/Memory	8GB eMMC/4Gb DDR3
Security	Atmel 508/ asymmetric key cryptographic signature solution (optional)
RF Connectivity	BT 4.0/BLE
	WiFi Client mode - IEEE 802.11 b/g/n WiFi 2.4G 1x1 (optional)
	LoRa TX/17dBm, RX/-138dBm; (470/ 866/ 920 MHz) (optional)
Antenna	Internal BT, WiFi & LoRa antennas
Ethernet	10/100MB LAN/Gigabit WAN
DC PWR	PoE to PoE cascade – Input 48VDC PoE & Output 48VDC output via RJ45
	12V
Operation Temperature & Humidity	-10~50 °C, 95%
Weight & Dimension	120 x 120 x 30 mm
Regulatory	CCC

3. Installation guide



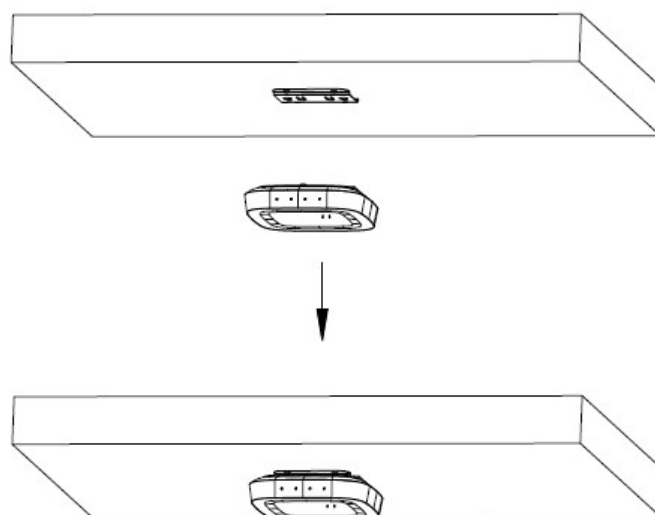
3.1.1 Screw the bracket to the product



3.1.2 Screw the bracket to the ceiling



3.1.2 At last fasten the anchor



4. Software setup

System website: <http://127.0.0.1/lbsp> Open the IOT positioning system, select the map of the installation site, add anchor where anchor is installed, input Mac and corresponding information;

Check the status column of receiving anchor points on the left side of the map, and when there is an IP display in the IP bar, the anchor will be online. As shown in the figure 5 below, only anchor ID 36 is online, and the other three anchors are not online.

接收锚口 识别证 区域 摄影机						
搜寻锚点名称...						
Name	ID	IP	Status			
SH_086A	30	0.0.0.0	●			
POE_E0D5	31	0.0.0.0	●			
POE_992B	36	10.116.24.86	●			
SH_093C	37	0.0.0.0	●			

5. Trouble Shooting Guide

Check whether the anchor power light is always on and whether LAN 1 and LAN 2 flicker normally. If not, check whether the network cable is connected and the order is correct, and verify whether the switch interface is OK;

Check whether the BT light is flashing. If there is, it is wrong to add information to the system. If there is no need to broadcast IP, assign IP to anchor.

Federal Communication Commission Interference 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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

IMPORTANT NOTE:

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Country Code selection feature to be disabled for products marketed to the US/CANADA