ZONITH

This datasheet provides technical information on the ZONITH Bluetooth Positioning Beacons.

Functions

Enclosure description

Size: L:112 x W:62 x H: 27 mm

Weight: 125 g

Colour: Grey

IP type: IP54

Ambient temperatures

Operating: Max: +60 ℃, Min: -30 ℃

Storage: Max: +60 ℃, Min: -10 ℃

Bluetooth technical data

Bluetooth 2.0 EDR

Transmission

Power: Class 1 - 100 mW (20 dBm)

Beacon type BPBi-01 has build-in antenna.

Beacon type PBPx-01 has external antenna connector SMA (male)

Coverage area (Client dependent)

Bluetooth Class 1 client: 100 meter.

Profile support

Frequency band: 2.4-2.483 GHz

Network Interface:

Standard IEEE 802.3af
Physical Layer: 10/100Base-T
Data Rate: 10/100Mbps (auto-sensing)
Mode: Half-Duplex and full-duplex support (auto-sensing)

Connector: RJ-45

Power Interface

The unit can be powered over Ethernet or via external power supply.

PoE: 802.3af

Power over Ethernet (PoE) support for Midspan and for Endspan.

External Power Supply:

Nominal voltage: 5 V

Operational voltage: 4.7 – 5.5 Vdc

Power consumption: <2W

2.0 mm pin connector with plus in middle.

Light interface

LEDs: 1 green and 1 yellow

Approvals:

Contains Transmitter Module：

Bluetooth: **WT11-A FCC ID: QOQWT11**

AC/DC-adapter

Input voltage: 100–240 VAC

Frequency: 50–60 Hz

Output voltage: 5 V

Bluetooth Position Beacon type BPBi-01

Bluetooth Positioning Beacon Power Supply