

tracesafe

TBUDW

TBUDW is a Wi-Fi, and Bluetooth Low Energy (BLE) 5.0 gateway developed for the contact tracing and social distancing solution. It collects and transfers the interaction data from the BLE tags to the cloud. This device is powered using a 5V / 3A USB C-type power adapter also comes with a Gigabit Ethernet.



Table of Contents

1. Features 3

2. Specifications..... 3

3. Device Dimensions 4

4. Use Case..... 5

5. Warning 6

6. Ordering Information..... 6

1. Features

- Wi-Fi / BLE 5.0 Gateway providing ubiquitous connectivity to BLE devices
- Dual-band 2.4GHz and 5GHz wireless LAN
- Transfer the tag data to local Wi-Fi or ethernet network
- Helps to monitor the status and real time location of the BLE tags
- Support 802.11 b/g/n/ac modes
- Unit powered by 5V/3A USB-C type adapter
- Gigabit ethernet
- Automatically uploads contact tracing records

2. Specifications

| Electrical | Symbol | Min. | Typ. | Max. | Unit | Remarks |
|---------------|--------|------|------|------|------|------------|
| Input voltage | Vin | | 5 | | V | USB-C type |
| Input current | | | 3 | | A | |

| Bluetooth | Min. | Typ. | Max. | Unit | Remarks |
|----------------------|------|------|------|------|---------|
| Frequency range | 2402 | | 2480 | MHz | |
| TX power | | 5 | | dBm | |
| Receiver sensitivity | | -97 | | dBm | |
| TX current | | 9.6 | | mA | @5 dBm |
| RX current | | 6.9 | | mA | |

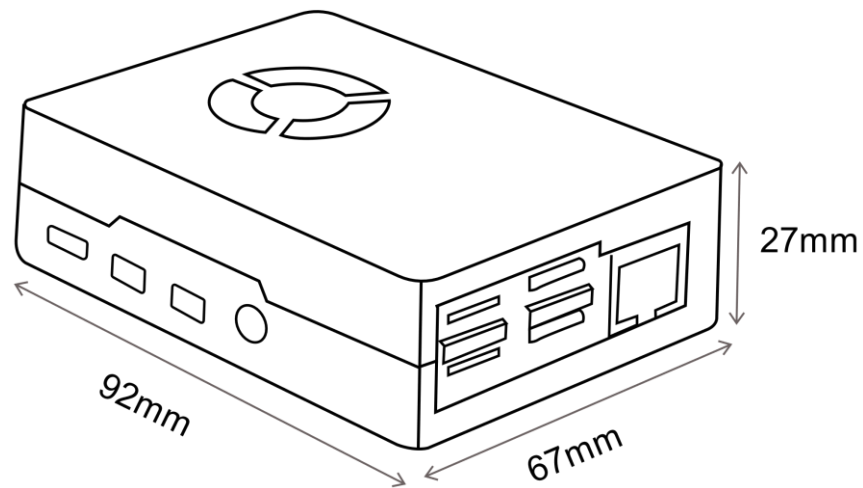
| Mechanical | Min. | Typ. | Max. | Unit | Remarks |
|------------|------|-------------------|------|-------|-----------|
| Dimensions | | 92.00x67.00x27.00 | | mm | L x W x H |
| Dimensions | | 3.62x2.64x1.06 | | inch | L x W x H |
| Net weight | | 177.00 | | g | |
| Net weight | | 6.24 | | ounce | |

| Environmental | Min. | Typ. | Max. | Unit | Remarks |
|-----------------------|------|------|------|------|---------|
| Operating temperature | 0 | | 50 | °C | |

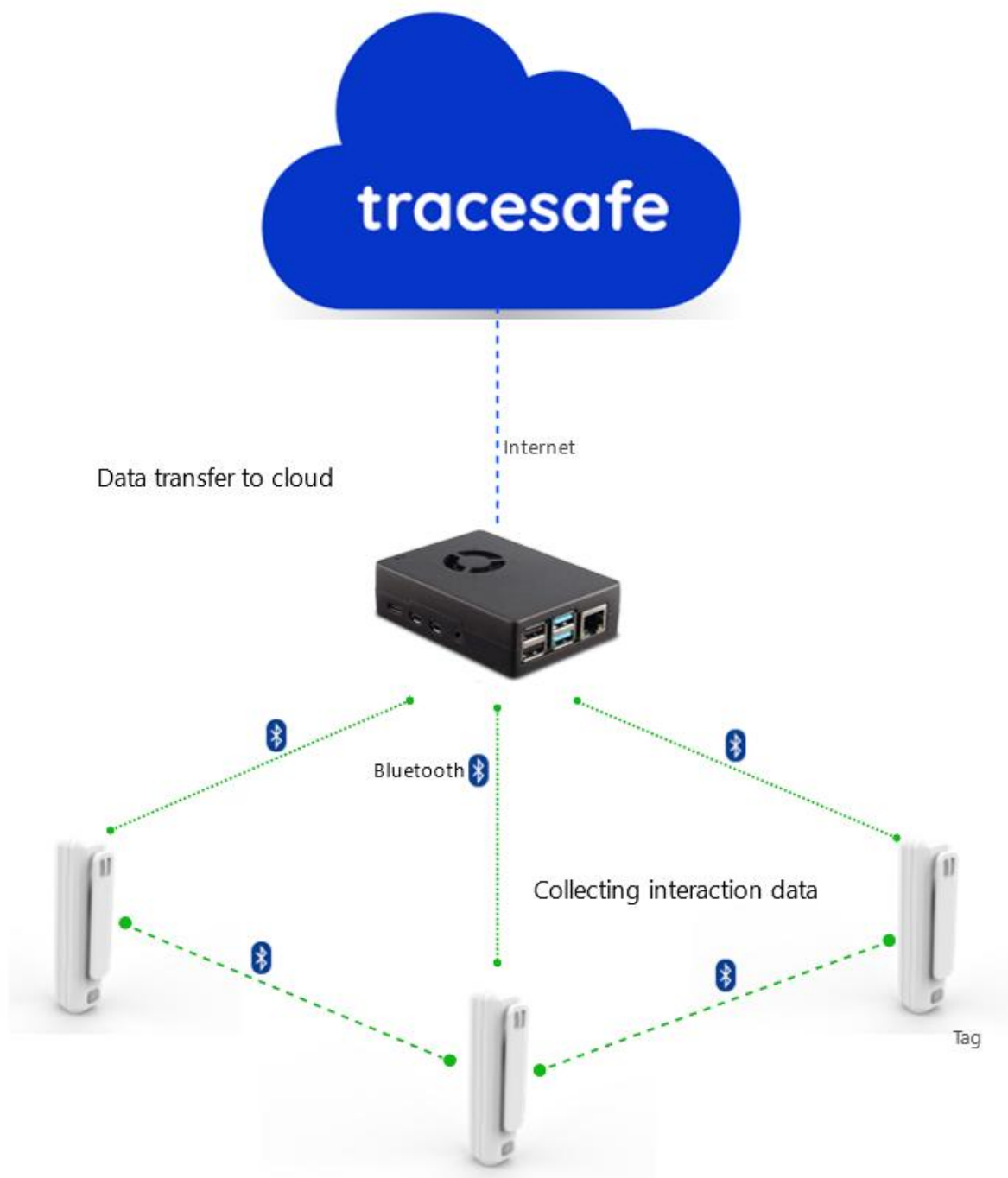
3. Device Dimensions

Case material: Aluminium alloy

All dimensions are in mm



4. Use Case



5. Warning

1. To prevent the device from any defect, please handle and store it with care.
 - Do not drop or give shock.
 - Do not store in very humid location or at extreme temperature.
 - Do not open or disassemble the product.
2. Avoid input voltage exceeds the maximum rating, which will cause damage to the circuit and result in malfunction.
3. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
4. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
5. Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
6. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on apparatus.

6. Ordering Information

| Product Code | Product Name | Communication | Voltage Rating |
|--------------|---------------------|-----------------|----------------|
| TBUDW | Wi-Fi / BLE Gateway | BLE 5.0 / Wi-Fi | 5V |

FCC Warning

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.

NOTE: 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.

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 and your body.

ISED Statement

- English: This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).

- French: Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

L'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b).

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

This equipment complies with Canada 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.

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

tracesafe

23282 Mill Creek Dr #340, Laguna Hills
CA 92653, USA

www.tracesafe.io sales@tracesafe.io

Version 1.2