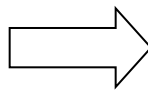
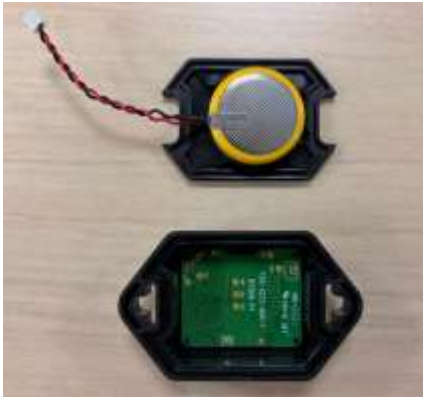


BLE Tag

BT509



Connect the device battery to the PCBA and then cover the housing.

The BT509 BLE devices is standalone battery powered device. Used to detect environmental air pressure values and equipment movement status .

.IT'S RELIABLE

BT509 is a high-performance BLE device, ultra-thin and durable, designed specifically for vehicle environment detection, vehicle tracking, parking lot management, or other fleet applications. Equipped with an integrated BLE receiver for wireless data communication. The BLE antenna integrated with PCB makes it have a smaller volume.

IT'S SIMPLE

The BLE of BT509 sends a broadcast every 10 seconds, and after connecting with other devices, the broadcast mode will be changed and cannot be connected by other devices anymore. Will maintain low power consumption when not broadcasting, reducing consumption and ensuring longer usage time.

IT'S FUNCTIONAL

The BT509 BLE tag have a reasonable battery life (36Months+).



Specifications

BLE

- Bluetooth ® 5.1, IEEE 802.15.4-2006, 2.4 GHz transceiver
- Single-ended antenna output (on-chip balun)
- Transmit Power 4dB.
- Advertisement frequency: 1000ms

BATTERY INFORMATION

- Battery Type: 1 * CR2477 3V Li-ion/1000mA
- Battery Life: 36 Months+

ENVIRONMENTAL

- Operation Temperature: -30°C to +75°C
- Storage Temperature: -40°C to +80°C
- Operation Humidity: 20% to 90% (non-condensing)
- Storage Humidity: 10% to 95% RH (non-condensing)

ELECTRICAL

- Operating Voltage: 1.8V-3.3VDC
- On-battery
 - Hibernate: <6uA
 - Up to 70mA (during broadcast)

PHYSICAL

- Dimensions: 59mm x 36mm
- Weight: 60 g
- Internal BLE integrated Antenna

APPROVALS

- FCC/UKCA/UKNI/CE

FCC Regulations

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. 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.
- Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. To comply with FCC RF Exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for the transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.