

# DATASHEET

Product: ZONITH BLUETOOTH LE ID BADGE (MODEL: BT-BLE-ID-BADGE)

## ENCLOSURE

Size: L:92 x W:63 x H:9 mm  
IP Code: IP51  
Weight: 41 grams  
Color: Black

## AMBIENT TEMPERATURES

Operating: Max: +50 °C, Min: -10 °C  
Storage: Max: +50 °C, Min: 0 °C

## BLUETOOTH

BT 4.2 stack BLE

## TRANSCEIVER

TX Power: -20 to +4dBm  
Frequency: 2.4 – 2.485 GHz  
Broadcast interval: 1000ms

## APPROVALS AND DECLARATION OF CONFORMITY

FCC, CE, IC  
FCC ID: 2AJ8P-BTBLE-IDBDG  
IC: 22178-BTBLEIDBDG

## COUNTRY OF ORIGIN

Taiwan

## ID AND ACCESS CONTROL CARDS SUPPORT

Standard: ISO/IEC 7810 ID-1  
Dimensions: 85.60 x 53.98 mm  
Thickness: 0.76 mm

## RANGE

Max distance to Smartphone:  
10 meters (33 feet) in open space.  
Max distance to ZONITH Gateway or ZONITH BT  
Receiver: 15 - 20 meters (49 – 65 feet) in open space.



Alarm button

## CARRYING

Number of straps holder: 2 (vertical or horizontal orientation).

**Note:** Use clasps or neck straps up to 12 mm wide and 2 mm thick. Use only soft and flexible straps in the straps holders as hard plastic or metal will break the holders.

## BATTERY

Type: Li-Polymer 3.7V, Capacity 360mA.

Time between charging:

1 month approximately.

Estimate based on room temperature [20°C].

Colder environments will affect lifetime.

Battery lifecycle: After more than 300 charges the battery is expected to be below 80% of initial capacity.

## CHARGING

Charging via USB-C connector with a charger that supports 5V, 150mA.

**Note:** Daily charging will damage the battery. Charge only once per month or upon low-battery warning.

## Disclaimer

Product specifications, size and shape are subject to change without notice, and actual appearance may differ from that depicted herein. Environmental factors and building constructions may adversely affect the wireless signal range.

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Version: 01-09-2025