

## Wristband Tag – Replaceable & Disposable

AiRISTA's W8 Wristband Tag is a Bluetooth® Low Energy (BLE) beaconing device for staff and patient tracking. The disposable band and replaceable beacon make it practical to distribute among hundreds, even thousands, of people you want to keep safe.

The low price point allows tracking of all of your patients, staff students, contractors, etc. Based on the latest processor technology, this beaconing device supports BLE versions 4.X and 5.0.

The ultra-low power chip set means the replaceable battery can last years (broadcast interval and transmit power dependent).

The SOS button is software programmable to alert to emergencies or summon attention. Integrated NFC allows for access control to doors, equipment, etc.

### Complete Solution

The AiRISTA W8 Wristband Tag is compatible with AiRISTA's wireless infrastructure components and 3<sup>rd</sup> party devices like access points with BLE support. When combined with AiRISTA's *sofia* software platform, its simple to respond to zone violations, patient elopement, proximity status and panic button events.



### Benefits

- Priced as a disposable device
- Mini size, easy to deploy
- SOS button for alerting
- NFC provides wireless identification of access control, equipment, etc.
- Ideal for patients, elderly, and students
- Multi-year lithium battery life
- Support for iBeacon & Eddystone

### Features

- BLE 4.X, 5.0 compliant
- Over the air programmable
- Supports iBeacon and Eddystone

## BLE Radio

Bluetooth® Low Energy (BLE) Radio  
BLE 4.2, 5.X Compliant  
RX BLE: 6mA  
TX BLE: 6mA  
TX BLE max Out Put Power: 5dBm

## Electrical Interface

Long lasting Replaceable 3V CR 2032 coin battery  
Minimum voltage: 1.8V

## Battery Life

2+ years (ref. 225mA 2032 battery, configuration dependent)

## Frequency band

2.4 GHz

## Environment

Operating Temperature: -40°C to 80°C  
Storage Temperature: 50 to 70 °F / 10 to 25 °C

## Typical Operating Range

Line of Sight: 150 feet at 5dBm  
Obstructions: 75 feet at 5dBm

## Physical

Dimensions: 34mm x 18mm x 8.4mm  
Band Length: 250mm  
Weight: 10 grams (with battery)

## Certifications

FCC: Part 15 (US and Canada)  
CE Mark (European Union)

## Part Number

Tag: W8 (includes band)  
Tag Band: W8.B

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