

## Versatile BLE Tag – Low Cost Long Battery Life



AiRISTA's A7 beaconing tag is a small form factor BLE tag. With breakthroughs in cost, longevity and distance, this tag opens exciting use cases across multiple industries.

The low price point means thousands of assets, not previously practical, can now be tracked. Based on the latest processor technology, this beaconing device supports BLE versions 4.X and 5.X.

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

The A7's small size, with a keychain hole, is easy to carry. It is thin and light which can be mounted on any assets with double-sided industrial tape.

### Industry Support

The A7 broadcasts 2.4GHz radio spectrum at regular programmed intervals. It can communicate and integrate with iOS, Android and other BLE 4.0/5.0/5.1 enabled devices.

The A7 supports encrypted broadcast. It does not support connections which otherwise might make malicious connections possible.

### Benefits

- Priced as a disposable device
- Mini size, easy to carry and install
- Multi-year lithium battery life
- Support for iBeacon & Eddystone
- Keychain hole
- Easy to clean smooth surface
- Field replaceable CR2032 battery
- Insulating battery tab prevents battery loss before use
- Long range, up to 100m line of site

### Features

- BLE 4.0, 5.0, 5.1 compliant
- One time programmable
- Supports iOS 8.0+ and Android 4.3+ systems

## Frequency band

2.4GHz

## Electrical Interface

Long lasting Replaceable 3V CR 2032 coin battery  
Minimum voltage: 1.1V

## Battery Life

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

## 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: 37.6mm x 24mm x 5.3mm  
Weight: 7 grams (with battery)

## Certifications

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

## Part Number

A7

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