



AiRISTA's A6 is an asset location tracking tag that operates over standards-based, enterprise-grade Wi-Fi / BLE networks. In conjunction with the AiRISTA sofia software platform, the tag enables location tracking of virtually any asset or object. The AiRISTA A6 operates on standard Wi-Fi networks. It does not require any extra infrastructure beyond your enterprise Wi-Fi / BLE network.

### Industry-Leading Location Accuracy

Using standard 802.11 a/b/g/n 2.4 GHz or 5 GHz Wi-Fi networks, the AiRISTA A6 tag tracks assets in real-time throughout an enterprise. For applications requiring fine grained location accuracy, such as hospitals, the AiRISTA A6 offers BLE technology that can be used in combination with AiRISTA location beacons for improved location accuracy.

### Small and Smart

The dust and splash-proof AiRISTA A6 tag has a small form factor and weight. The design allows users to mount the AiRISTA A6 on small or odd-shaped objects. Mounting options include screw mounting, zip ties, Velcro® or double-sided tape.

The tag contains two configurable buttons that can be used for sending alarms or notifying you about events such as when an asset is in service or out of service. The AiRISTA A6 tag can be configured over the air to allow remote management.

### Benefits

- Enterprise-wide visibility to assets.
- Reduce lost/misplaced inventory costs and time locating assets.
- Software programmable buttons to trigger events in business process workflows.

### Features

- BLE 5.2 compliant
- 2.4 GHz & 5 GHz Wi-Fi support
- Unbeatable accuracy with a standard Wi-Fi network
- Small size to fit small and odd shaped assets
- Extended battery life using standard replaceable battery
- Battery level reporting
- Built-in mounting bracket
- Two programmable buttons
- LED light alerting
- Over-the-air programming

## Wi-Fi Radio

Supported Wi-Fi Networks: 802.11 a/b/g/n  
2.4 GHz Channels: 1-13 (14 Japan only) \*  
5 GHz Channels: 36-165 \*  
TX 2.4 GHz, 20 dBm (typical conducted power)  
TX 5 GHz, 18 dBm (typical conducted power)  
RX 802.11b, -98 dBm (1 Mbps)  
RX 802.11g, -95 dBm (6 Mbps)  
RX 802.11a, -93 dBm (6 Mbps)  
RX 802.11n, -95 dBm (2.4GHz, MCS 0)  
RX 802.11n, -93 dBm (5GHz, MCS 0)  
Antenna: Omni-directional  
Layer 2 Protocol Support: CCX, Blink  
Security: WEP, WPA2-PSK

## BLE Radio

Bluetooth 5.2 Low Energy (BLE) Compliant  
RX BLE: 6.4mA  
TX BLE at 0dBm: 7.3mA  
Maximum Transmit Power: 5dBm  
Antenna: Omni-directional

## Electrical Specifications

Replaceable 3.0V CR123A Battery  
Maximum Current (Deactivated): 5 µA

## Battery Life

3 year battery life, depending on the configuration.  
The A6 tag's low power radio and intelligent motion sensor can extend battery life.

## User Interface

Two call buttons  
Two signal LEDs  
Motion detection

## Environment

Operating Temperature: 32 to 122 °F / 0 to 50 °C  
Storage Temperature: 50 to 70 °F / 10 to 25 °C  
Humidity: 95 % non-condensing, relative humidity

## Typical Operating Range

### Line of Sight:

330 ft/100 m @1Mbit/s \*\*

### Obstructions:

140 ft/40 m @1Mbit/s

## Physical

### Dimensions:

47 x 56 x 25 mm / 1.9 x 2.2 x 1.0 in

Weight: 1.7 oz. / 48 g

Mounting: Double-sided tape, zip ties, screws via integrated mounting plate.

## Certifications

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

## Part Number

A6

## Warranty

One Year Warranty

\* Channel availability varies by region.

\*\* Specifications subject to change without prior notice.

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