

Versatile BLE Tag – Low Cost Long Battery Life

AiRISTA Flow's A1 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, the device supports BLE version 4.1, 4.2, and 5.0.

In addition to beaconing, the tag is also a BLE receiver and scans for neighboring beacons, facilitating use cases that associate people to things. For example, ensures equipment stays near patients or laptops stay with owners.

A button on the tag's face provides software definable responses to a button push by users.

Industry Support

In addition to support for common protocols including Eddystone, iBeacon, and Cisco System's LTX, AiRISTA Flow's firmware provides control of the tag over-the-air and opens features that extend your IOT strategy to thousands of devices.

Tag Options

- Temperature, humidity
- Accelerometer
- Wrist band, key fob / key chain



Benefits

- Priced as a disposable device
- 5+ year lithium battery life
- BLE scanning allows for use cases based on "associations" between assets
- Push button provides notification of events
- Track Temperature & humidity (optional)
- Increased processing speed and expanded memory

Features

- BLE 4.0 - 5.0 compliant
- Long-life, replaceable battery
- Multiple ways to attach tag to assets
- General purpose tactile call button
- Over the air programming and configuration capabilities
- Temperature, humidity(options)

Technical Specs

1 MB Flash (for OTA programming)

BLE Radio

Blue-tooth Low Energy (BLE) Radio
BLE 4.1, 4.2, 5.0 Compliant
RX BLE: 6mA
TX BLE: 6mA
TX BLE max Out Put Power: 5dBm

Electrical Interface

Long lasting Replaceable 3V CR 2032 coin battery

Battery Life

5+ years at 1.5 sec interval

Frequency band

Channels 1-11: North America
Channels 1-13: Global
Channels 1-14: Japan

Environment

Operating Temperature: -40 to 158°F / -40 to 70°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:
Thickness: 7 mm / .25 in.
Dial Size: 40 mm / 1.5 in.
Weight: 0 .8 oz. / 23 g

Certifications

FCC: Part 15 (US and Canada)
CE Mark (European Union)
Cisco Support: LTX protocol support

Part Number

AF.A1.W (Winglet)
AF.A1.F (Flange)
AF.A1.T (Temp / humidity)
AF.A1.B.LTX (Cisco LTX version)

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