

## Rugged WiFi/BLE/GPS Tag for Tracking Assets

The AiRISTA Flow A65 asset tag is ideally suited for tracking assets in harsh or outdoor environments using your existing Wi-Fi network. The A65 provides location intelligence as part of AiRISTA Flow's end to end RTLS platform. Wi-Fi and BLE are standard with an option for GPS functionality.



### Industry-Leading Location Accuracy

Using standard 802.11b/g/n 2.4 GHz Wi-Fi, BLE and GPS networks, AiRISTA Flow tags are ideal for a variety of applications across multiple industries such as healthcare, logistics, and manufacturing. The optional GPS receiver allows tracking of assets in surrounding outdoor areas and uses the greater distances available from BLE 5.0 for backhaul. The A65 is IP65 rated for dust and water protection allowing it to withstand tough indoor and outdoor applications.

### Flexible Interface

The dust- and splash-proof A65 asset tag offers a choice of covers. The A65 is available with or without flange. This feature provides users with great flexibility to leverage a tag form factor that is right for specific use. The design also allows users to mount the AiRISTA Flow A65 on various object types.

### Benefits

- Ideal for outdoor and harsh environments
- Optional GPS capability for outdoor location tracking
- Energy conserving BLE 5.0 transmits over greater distances

### Features

- BLE 4.2 & 5.0 compliant
- Wi-Fi 802.11 compliant (encryption: WEP, WPA, WPA2)
- Replaceable, long-life battery
- Optional telemetry and sensor expansion connectors available
- IP65 rated protects from water and dust
- Multiple attachment methods
- Motion sensor allows "wake on activity" to optimize battery life
- Over-the-air programming and configuration capabilities
- Over-the-air firmware upgrade capability
- Cisco CCX compatible and support for layer 2 network protocol

## Wi-Fi Radio

Supported Wi-Fi Networks: 802.11 b/g/n  
Sleep Mode Maximum Leakage Current: <10ua  
TX 802.11b, CCK 11 Mbps, Pout = +19 dBm  
TX 802.11g, OFDM 54 Mbps, Pout = +17 dBm  
TX 802.11n, MCS7, Pout = +17 dBm  
Rx 802.11b, 1024 bytes packet length, -80 dBm  
Rx 802.11g, 1024 bytes packet length, -70 dBm  
Rx 802.11n, 1024 bytes packet length, -65 dBm  
FCC, Canada, ETSI 2.4 - 2.4835 GHz  
Japan 2.471 -2.497 GHz  
Layer 2 Network Support: CCX, Blink  
Security: WEP, WPA2-PSK  
Supported Data Rates, 1, 6,11,54,72 Mbps

## 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

## Battery Life

Replaceable Battery  
2 year battery life, depending on the beacon rate

## User Interface

Two red/green signal LEDs

## Warranty

One Year Warranty

## Certifications

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

## Frequency band

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

## Environment

Operating Temperature: 50 to 104 °F / 10 to 41 °C  
Storage Temperature: 40 to 115 °F / 5 to 46 °C  
Humidity: 95 % non-condensing, relative humidity  
Protection: splash proof enclosure

## Typical Operating Range

### Line of Sight:

Wi-Fi: Up to 135m (440 ft)  
BLE: Up to 45m (150 ft)

### Obstructions:

Wi-Fi: Up to 45m (150 ft)  
BLE: Up to 25m (75 ft)

## Physical

### Dimensions:

With flange: 95 x 59 x 35 mm / 3.7 x 2.3 x 1.4 in  
Without flange: 65 x 50 x 35mm /2.6 x 2 x 1.4 in  
Weight:

With flange (without battery): < 138 g / 4.9 oz  
Without flange (without battery): < 118 g / 4.2 oz  
Form Factor: ABS/ Polycarbonate enclosure (IP65, NEMA 4X)

## Part Number

A65.Asset.W: Wi-Fi only, no Flange  
A65.Asset.W.B: Wi-Fi and BLE, no Flange  
A65.Asset.W.B.GPS: Wi-Fi, BLE and GPS no Flange  
A65.Asset.W.F: Wi-Fi only, with Flange  
A65.Asset.W.B.F Wi-Fi, BLE, with Flange  
A65.Asset.W.B.GPS.F Wi-Fi, BLE and GPS with Flange  
(Identical to AF.T65 tags)

\*Specifications subject to change without prior notice.

AiRISTA Flow, Americas  
913 Ridgebrook Rd. | Suite 110  
Sparks, MD | 21152 | USA  
Tel: 1-844-816-7127  
info@airistaflow.com

AiRISTA Flow, APAC  
Level 9 Wyndham Building  
1 Corporate Court  
Gold Coast | QLD | Australia  
Tel: 07 3053 8375

AiRISTA Flow, EMEA  
Vaisialantie 4 | B-rakennus | 02130  
Espoo | Finland  
Tel: +358-10-326-7600  
info@airistaflow.com