

Wi-Fi Tag for Tracking Assets

The AiRISTA Flow AiR-T65 asset tag provides accurate asset tracking within different facilities using your existing Wi-Fi network. The AiR-T65 allows users to gain location intelligence without using proprietary infrastructure and seamlessly integrates with AiRISTA Flow's RTLS Location Engine. AiR-T65 tag is available with BLE and Wi-Fi configuration, and can also be ordered with an optional GPS module.

Industry-Leading Location Accuracy

Using standard 802.11b/g/n 2.4GHz Wi-Fi, BLE and GPS networks, AiRISTA Flow tags track items in real-time throughout an enterprise. AiRISTA Flow's tags are rugged and can be used for a variety of applications across multiple industries such as healthcare, logistics, and manufacturing. The AiR-T65 offers ingress protection and is rated IP65 allowing it to withstand tough indoor and outdoor applications.

Flexible Interface

The dust- and splash-proof AiR-T65 asset tag has a flexible interface. The AiR-T65 is available with or without flange. This feature provides users with great flexibility to leverage a tag form factor that is right for specific usage. The design also allows users to mount the AiRISTA Flow AiR-T65 on various object types.



AiRISTA Flow AiR-T65 Wi-Fi Asset Tag is available with and without flange



Features

- Wi-Fi 802.11 compliant (encryption: WEP, WPA, WPA2)
- Replacable, long-life battery
- Optional telemetry and sensor expansion connectors available
- Water resistant and IP65 rated
- Multiple means for attaching the tag to assets
- Motion sensor for determining transmission intervals and 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

Benefits

- Gain enterprise-wide asset visibility
- Find an asset instantly
- Reduce inventory and rental costs
- Improve staff efficiency
- Increase equipment utility

Technical Specifications

Radio / Wi-Fi Radio

Supported Wi-Fi Networks: 802.11 b/g/n
Sleep Mode Maximum Leakage Current: < 10 uA
Tx 802.11b, CCK 11Mbps, Pout = +17 dBm
Tx 802.11g, OFDM 54 Mbps, Pout = +15 dBm
Tx 802.11n, MCS7, Pout = +15 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
Layer 3 Network Protocol: UDP/IP, TCP/IP, HTTP
IP Addressing: DHCP or Static
Security: WEP 40/104 bit (equals 64/128 bit), WPA2-PSK
Supported Data Rates: 1,6,11,54,72 Mbps

BLE Radio

Bluetooth Low Energy (BLE) Radio
4.1, 4.2 Compliant
RX BLE: 6mA
TX BLE: 6mA
TX BLE max Output Power: 5dBm

User Interface

Two red/green signal LEDs

Certifications

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

Accessories

Replacement Battery (AF.T65.Asset.Batt)

Environment

Operating temperature: -30 to 85°C
Storage temperature: -30 to 85 °C Protection:
dust and splash proof enclosure

Typical Operating Range

Outdoor Range:

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

Indoor Range:

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

Physical

Dimensions: with flange: 95 x 59 x 35 mm
without flange: 65 x 50 x 35mm
Weight: with flange (without battery): < 138 grams
without flange (without battery): < 118 grams
Form Factor: ABS/ Polycarbonate enclosure (IP65, NEMA 4X)

Part Number

AF.65.Asset.W: Wi-Fi only, no Flange
AF.T65.Asset.W.B: Wi-Fi and BLE, no Flange
AF.T65.Asset.W.B.GPS: Wi-Fi, BLE and GPS no Flange

AF.T65.Asset.W.F: Wi-Fi only, with Flange
AF.T65.Asset.W.B.F Wi-Fi, BLE, with Flange
AF.T65.Asset.W.B.GPS.F Wi-Fi, BLE and GPS with Flange

Specifications subject to change without prior notice.