AiRISTA FLOW
Location. Insights. Visibility.

A4n Wi-Fi / BLE
2 – Button Asset Tag

Wi-Fi / BLE Tag for High Accuracy Asset Tracking

AiRISTA Flow's A4n is an active location tracking tag that operates over standards-based, enterprise-grade Wi-Fi / BLE networks. In conjunction with the AiRISTA Flow UVS software, the tag enables location tracking of virtually any asset or object. The AiRISTA Flow A4n 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 b/g/n 2.4GHz Wi-Fi networks, the AiRISTA Flow A4n tag tracks assets in real-time throughout an enterprise. For applications requiring fine grained location accuracy, such as hospitals, the AiRISTA Flow A4n offers BLE technology and infrared sensors that can be used in combination with AiRISTA Flow location beacon for bed-level positioning.

Small and Smart

The dust and splash-proof AiRISTA Flow A4n tag has a small form factor and weight. The design allows users to mount the AiRISTA Flow A4n on small or odd-shaped objects. Mounting options include a custom cradle, zip ties, Velcro® or dual-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 tag's LED display can be remotely triggered to initiate a local alarm on the tag or alert personnel. The AiRISTA Flow A4n tag can be configured over the air to allow remote management.

Benefits

- Enterprise-wide asset visibility
- Software programmable buttons to trigger events in business process workflows
- Find the right asset instantly
- Reduce inventory and rental costs

Features

- BLE 4.2, 5.0 compliant
- Extended Battery Life
- Unbeatable accuracy with a standard Wi-Fi network
- Infrared capability for location precision
- Small size to fit small and odd shaped assets
- Works on any Wi-Fi network (2.4GHz)
- Battery level reporting
- Dust- and splash-proof
- Various mounting options
- Two programmable buttons
- LED light alerting
- Over-the-air programming

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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 and 5.0 Compliant
RX BLE: 6mA
TX BLE: 6mA
TX BLE max Out Put Power: 5dBm

Electrical Interface

Replaceable 1200 mAH, 3.0V Lithium Battery
Antenna: Omni-directional antenna
Configuration: Over-the-air remote configuration

Battery Life

2+ year battery life, depending on the beacon rate. The A4n tag's low power radio and intelligent motion sensor can extend battery life. It also alerts the user when the battery is low.

User Interface

Two call buttons
Two red/green signal LEDs
Motion detection

Frequency band

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

Environment

Operating Temperature: 32 to 122 °F / 0 to 50 °C
Storage Temperature: -40 to 140 °F / -40 to 60 °C
Humidity: 95 % non-condensing, relative humidity
Protection: dust and splash proof enclosure

Typical Operating Range

Line of Sight:
330 ft/100 m @11Mbit/s, 500 ft/150 m @2Mbit/s*
Obstructions:
140 ft/40 m @11Mbit/s, 200 ft/60 m @2Mbit/s

Physical

Dimensions:
45 x 55 x 19 mm / 1.8 x 2.2 x 0.7 in
Weight: 1.7 oz. / 48 g
Mounting: double-sided tape, Velcro, mounting plate (optional), hang mount (optional)

Certifications

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

Part Number

AF A4n

Warranty

One Year Warranty

*Specifications subject to change without prior notice.