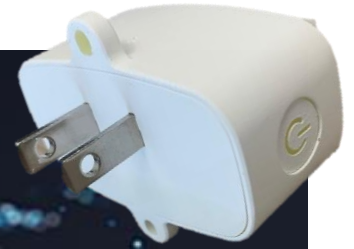


Wi-Fi / BLE Gateway Provides Wi-Fi Network Access for BLE Tags



The AiRISTA Flow G3 gateway provides Wi-Fi network access for BLE tags. The low cost and long battery life of BLE tags make them desirable, but to exchange data over Wi-Fi networks they need a gateway device between BLE networks and Wi-Fi networks. This facilitates use cases like choke point detection, telemetry exchange and proximity detection for social distancing. G3 has a built in temperature and humidity sensor.

The G3 gateway is a small AC powered device suitable for North American power outlets and many electrical outlet types for other countries using a plug adapter. It provides a low-cost method to communicate BLE information over Wi-Fi networks. BLE tags are convenient for their long battery life and low cost. But when a Wi-Fi network is used to exchange tag information, BLE-only tags require a dual BLE / Wi-Fi gateway to facilitate the communication.

Small, cost effective device allows BLE tags to communicate over Wi-Fi networks

The AiRISTA Flow G3 gateway uses an integrated eyelet to screw to the wall plate to deter theft. And the tactile button allows for user defined actions when necessary.

The G3 gateway is small and deploys quickly. It can be used at choke points like doorways as BLE tags move past. And they can be used in hotel rooms or along production lines to create an umbrella of communication coverage.

Companies want to maximize the investment in their Wi-Fi deployments. But until the access points support an integral BLE radio, the G3 will be the gateway between BLE networks and Wi-Fi networks.

Benefits

- Leverage the investment in Wi-Fi networks when deploying BLE tags
- Low cost
- Fast to deploy
- Support for popular BLE protocols
- Ideal for conference rooms, break areas, choke points, etc.
- Can be configured and monitored remotely
- Provides two-way communication with Airista Flow BLE Tags

Features

- BLE 5.0 compliant
- Over the Air programmability
- Omni-directional antenna
- On/Off switch
- Theft deterrent eyelet securely attaches to electrical face plate
- Temperature and Humidity Sensor

Technical Specifications

Wi-Fi Radio

Supported Wi-Fi Networks: 802.11 b/g/n
Layer 2 Network Support: CCX, Blink
Security: WEP, WPA2-PSK
Supported Data Rates, 1, 6, 11, 54, 72 Mbps
Antenna: Omni-directional antenna

BLE Radio

Blue-tooth Low Energy (BLE) Radio

Electrical Interface

AC Power: 100V to 240 VAC

User Interface

Tactile Button

Warranty

One Year Warranty

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

Typical Operating Range

Line of Sight:
180 ft/54 m @11Mbit/s
Obstructions:
100 ft/30 m @11Mbit/s

Physical

Dimensions: 60mm x 35mm x 30mm

Accessories

/

*Specifications subject to change without prior notice.

Warning:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Statement: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide

reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.—Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF exposure compliance statement: This device has been evaluated to meet the general RF exposure requirement

Please ensure that the product is normally connected to the wifi network during use, and that the contact voltage is good during use, and there are no obstructions within 20cm to avoid poor signal strength causing the connection to be interrupted.

ISED Statement:

This device complies with Part 15 of FCC Rules [and contains license-exempt transmitter(s) that comply with innovation, Science and Economic Development Canada's licence-exempt RSS Standard(s)]. Operation is subject to the following two conditions:

(1) This device may not cause interference; and (2) This device must accept any interference received, including interference that may cause undesired operation

The digital apparatus complies with Canadian CAN ICES 3 (B)/NMB 3(B).

French: L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et
(2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

L'appareil numérique du ciem conforme canadien peut 3 (b) / nmb 3 (b).

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

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

AiRISTA Flow, APAC
Level 9 Wyndham Building
1 Corporate Court
Gold Coast | QLD | Australia
Tel: +61- 07 3053 8375

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