AiRISTA
Location. Insight. Visibility.

G5

**2.4 GHz & 5GHz
Wi-Fi / BLE Gateway**

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

The AiRISTA G5 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.

The G5 gateway is a small device that can be powered from standard power outlets or the Micro USB port. 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 2.4GHz and 5GHz Wi-Fi networks

The G5 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 all deployed access points support integrated BLE radios, the G5 will be the gateway between BLE networks and Wi-Fi networks.

Benefits

- 2.4GHz & 5GHz support
- Leverage existing Wi-Fi investment with BLE tags
- Low cost
- Fast to deploy
- Supports popular BLE protocols
- Ideal for conference rooms, break areas, choke points, etc.
- Provides two-way communication with Airista BLE Tags

Features

- BLE 4.2 & 5.0 compliant
- LED indicator
- White color blends into environment
- Theft deterrent eyelet securely attaches to electrical face plate

Technical Specifications   G5 Wi-Fi / BLE

Wi-Fi Radio

Supported Wi-Fi Networks: 802.11 a/b/g/n
2.4GHz & 5GHz support
2.4 GHz Channels: 1-13*, (14 Japan only)
5 GHz Channels: 36-165*
Frequency Range: 2.412-2.484GHz & 5.180-5.825GHz
Data Rates:
802.11a: 6,9,12,18,24,36,48,54Mbps
802.11b: 1,2,5.5,11Mbps
802.11g: 6,9,12,18,24,36,48,54Mbps
802.11n: MCS0--MCS7 @ HT20 /2.4GHz & 5GHz
802.11n: MCS0--MCS7 @ HT40 /2.4GHz & 5GHz
Security: WEP, WPA2-PSK
Antenna: Omni-directional antenna

BLE Radio

Blue-tooth Low Energy (BLE) Radio
BLE 4.2 and 5.0 Compliant
RX BLE: 6.4mA
TX BLE at 0dBm: 7.3mA
Maximum Transmit Power: 5dBm
Antenna: Omni-directional antenna

Electrical Interface

AC Power: 100V to 240 VAC
Micro USB: 5VDC, 1A

61.8mm

35mm   43.4mm

Environment

Operating Temperature: 32 to 104 °F / 0 to 40 °C
Storage Temperature: 14 to 122 °F / -10 to 50 °C
Humidity: 95 % non-condensing, relative humidity

Typical BLE Operating Range

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

Physical

Dimensions: 61.8mm x 35mm x 43.4mm

Certifications

FCC: Part 15 (US and Canada)
CE Mark (European Union)
UKCA (Great Britain)
ETL
Conforms to UL std 62368-1
RCM (pending)

Part Number

BLE to WiFi Gateway:
G5.AUS – G5 unit with AUS plug
G5.EU – G5 unit with EU plug
G5.UK – G5 unit with UK plug
G5.US – G5 unit with US plug

Warranty

One Year Warranty

*Channel availability varies by region.
* Specifications subject to change without prior notice.

AUS   UK   EU   US

AiRISTA, Americas
1966 Greenspring Dr | Suite 125
Timonium, MD | 21093 | USA
Tel: 1-844-816-7127
salesinfo@airista.com

AiRISTA, APAC
Level 9 Wyndham Building
1 Corporate Court
Gold Coast | QLD | Australia
Tel:+61- 07 2104 1852

AiRISTA, EMEA

Espoo | Finland
Tel: +358-10-326-7600
salesinfo@airista.com

airista.com