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## HID BluFi-AC01 BluFi BLE WiFi Gateways



## Specifications

- **Part Number:** BVBFUS-V2

- **Model Number:** BluFi-AC01

## Hardware Specification

<b>AC Input</b>	100-240 VAC, 50/60 Hz
<b>AC Plugs</b>	US type: NEMA 1-15 ungrounded (Type A)
<b>Size</b>	~2.1" x 1.5" x 1.4" (55mm x 38mm x 33mm)
<b>Temperature Range</b>	-13° to +149° F (-25° to +65° C)
<b>Bluetooth Type</b>	Bluetooth Low Energy 4.2 & 5.1
<b>Bluetooth Sensitivity</b>	-98dBm
<b>Bluetooth Max Power Output</b>	+5dBm
<b>Bluetooth Antenna</b>	Internal, 0 dBi, Omni-directional
<b>Bluetooth modes</b>	<p>BLE Scan to Cloud</p> <p>BLE Scan and filter</p> <p>BLE Multi Channel (RTLS)</p> <p>BLE Beacon</p> <p>BLE Access point</p> <p>May operate simultaneously</p>
<b>Frequency Supported</b>	2.4 GHz, Bluetooth LE channels: 1-40 & Adv Ch: 37;38;39
<b>Bluetooth Data Rate</b>	1Mb/s
<b>Bluetooth Security</b>	128-bit AES

<b>WiFi Type</b>	802.11 b/g/n
<b>WiFi Security</b>	WPA2 Personal and Enterprise Security
<b>WiFi Enterprise compatibility</b>	WiFi Enterprise 802.1x support with Radius server authentication

<b>WiFi TX Power</b>	18 dBm @1 DSSS 14.4 dBm @ 54 OFDM
<b>WiFi RX Sensitivity</b>	-97.5dBm @ 1DSSS -88.5dBm @ 11 CCK
<b>WiFi Frequency</b>	2.4 GHz & 5 GHz with built-in coexistence with Bluetooth
<b>WiFi Antenna</b>	0 dBm Single Antenna, Omni-Directional
<b>Power Consumption</b>	Max. 0.2A @120V AC
<b>Manage services</b>	Cloud real-time managed
<b>Data output to the cloud</b>	0.1 to 1 Mb Uplink
<b>Certifications</b>	FCC JQ6.BLUFIAC01, IC 2236B-BLUFIAC01

## Setup and Installation

1. Ensure the device is placed in a well-ventilated area.
2. Connect the device to a power source using the provided AC plugs.
3. Follow the on-screen instructions to establish a Bluetooth and WiFi connection.

### Data Output to Cloud

To enable data output to the cloud, ensure the device is connected to a stable internet connection. The device will automatically manage the data output in real-time to the designated cloud service.

## **FCC**

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

## **ISED**

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

## **RF EXPOSURE CONSIDERATIONS**

This module complies with the FCC and ISED RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. RF Exposure – At least 20 cm of separation distance between the module and the user's body must be maintained at all times.

## **FAQs**

### **Q: What should I do if the device does not connect to Bluetooth or WiFi?**


A: If you encounter connectivity issues, try restarting the device and ensuring that it is within range of the Bluetooth or WiFi signal.

### **Q: How can I reset the device to its factory settings?**

A: To reset the device, locate the reset button (if available) and hold it for 10 seconds

until the device restarts.

# Documents / Resources




[HID BluFi-AC01 BluFi BLE WiFi Gateways \[pdf\]](#) Owner's Manual  
BLUFIAC01, JQ6-BLUFIAC01, JQ6BLUFIAC01, BluFi-AC01 BluFi BLE Wi  
Fi Gateways, BluFi-AC01, BluFi BLE WiFi Gateways, BLE WiFi Gateways  
, WiFi Gateways

## References

- [User Manual](#)

 HID

 BLE WiFi Gateways, BluFi BLE WiFi Gateways, BluFi-AC01, BluFi-AC01 BluFi BLE WiFi Gateways, BLUFIAC01, HID, JQ6-BLUFIAC01, JQ6BLUFIAC01, WiFi Gateways

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