



SPECIFICATION SHEET

Part Nr.: BVBFUS-V2
Model Nr : BluFi-AC01



HARDWARE SPECIFICATION

AC Input	100-240 VAC, 50/60 Hz
AC Plugs	US type: NEMA 1-15 ungrounded (Type A)
Size	~2.1" x 1.5" x 1.4" (55mm x 38mm x 33mm)
Temperature Range	-13° to +149° F (-25° to +65° C)
Bluetooth Type	Bluetooth Low Energy 4.2 & 5.1
Bluetooth Sensitivity	-98dBm
Bluetooth Max Power Output	+5dBm
Bluetooth Antenna	Internal, 0 dBi, Omni-directional
Bluetooth modes	BLE Scan to Cloud BLE Scan and filter BLE Multi Channel (RTLS) BLE Beacon BLE Access point May operate simultaneously
Frequency Supported	2.4 GHz, Bluetooth LE channels: 1-40 & Adv Ch: 37;38;39
Bluetooth Data Rate	1Mb/s
Bluetooth Security	128 bit AES
WiFi Type	802.11 b/g/n
WiFi Security	WPA2 Personal and Enterprise Security
WiFi Enterprise compatibility	WiFi Enterprise 802.1x support with Radius server authentication

WiFi TX Power	18 dBm @1 DSSS 14.4 dBm @ 54 OFDM
WiFi RX Sensitivity	-97.5dBm @ 1DSSS -88.5dBm @ 11 CCK
WiFi Frequency	2.4 GHz & 5GHz with built-in coexistence with Bluetooth
WiFi Antenna	0dBm Single Antenna, Omni Directional
Power Consumption	Max. 0.2A @120V AC
Manage services	Cloud real-time managed
Data output to cloud	0.1 to 1 Mb Uplink
Certifications	FCC JQ6.BLUFIAC01, IC 2236B-BLUFIAC01
Regulatory Guidance	<p>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.</p> <p>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.</p> <p>Le présent appareil est conforme aux CNR d'ISDE 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. La bande 5150–5250 MHz est réservée uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.</p> <p>RF EXPOSURE CONSIDERATIONS</p> <p>This module complies with 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.</p>