



## AGX-BFAC 24 HC BT Reader with PC, BT, WLAN

### Allgemeine Information

### AGX-BFAC 24 HC

Plug & Play BT Reader. Fits in mosts power plugs worldwide. Easy installation at the place were the BT beacons need to be seen. No additional installation needed. Can be replaced and used at other place without problem. Real Time RTLS. Application: Trace & Track of goods, Assets or people in buildings.



### HARDWARE SPECIFICATION

AC Input	100-240 VAC, 50/60 Hz
AC Plugs	US type: NEMA 1-15 ungrounded (Type A) European: CEE 7/16 European plug (Type C) British Standard BS 1363 (Type G) China/Australia: AS/NZS 3112 (Type I ungrounded)
Size	2" x 1.5" x 1.5" (50mm x 38mm x 38mm)
Temperature range	-13° to +149° F (-25° to +65° C)
Bluetooth Type	Bluetooth Low Energy 4.1
Bluetooth Sensitivity	-98 dBm
Bluetooth Max Power Output	+5 dBm
Bluetooth Antenna	-3 dBm Single Antenna, Omni Directional
Frequency Supported	2.4 Ghz ISM, Bluetooth LE channels: 1- 40 & Adv Ch: 37;38;39 Non-Bluetooth Channels: SDR from 2400Mhz to 2500Mhz
Bluetooth Data Rate	1Mbit/s (2Mbit/s)
Bluetooth Security	128 bit AES
WiFi Type	802.11 b/g/n
WiFi Security	WPA2 Personal and Enterprise Security
WiFi TX Power	20.5dBm @ 1DSSS and 11 CCK, 15.0 dBm @ 54 OFDM
WiFi RX Sensitivity	-97.5dBm @ 1DSSS, -88.5 dBm @ 11 CCK
WiFi Frequency	2.4 Ghz with coexistence built-in with Bluetooth
WiFi Antenna	0 dBm Single Antenna, Omni Directional
Power Consumption	200mA when TX, 20mA on sleep
Power Consumption - TX	9mA at 0dBm
Power Consumption – Sleep	1.2 µA (SRAM retention and RTC running)
CPU	ARM Cortex M4 and ARM Cortex M3
Memory	256 KB Flash (100KB free for custom applications)
Managed services	Cloud real-time managed
Data output to cloud	0.1 to 1Mbit Up data
Certifications	FCC/CE/UL/FRE

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### Typical Applications

Healthcare (Hospitals, Clinics etc.)	Chemical Industry
Pharma Industry	Logistics

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