



Features & Options

- Gateway provides data via MQTT to the cloud
- Each gateway supports up to 32 sensors that can be configured remotely via the gateway and BAPI's WAM user interface

BAPI's Wireless Gateway receives the data from one or more sensors and provides the data to the cloud via MQTT using your local Wi-Fi connection. Sensors can be configured remotely via the gateway and BAPI's WAM user interface.

The gateway sends a confirmation signal to each sensor upon a successful reception. If the sensor doesn't receive this confirmation, then the sensor retains the readings in its onboard memory and transmits them once communication is re-established.

ORDERING INFO:

BA/GTW-BLE: Wireless Gateway

Wireless Gateway and included USB to Micro USB Cable



Associated Sensors

BAPI offers a wide range of sensors that measure and send the data to the gateway.



Specifications

Supply Power: 5 VDC @ 120mA via included USB cable or Power Over Ethernet (POE) via Ethernet Port. Ethernet port is for power only, TCP/IP is not enabled.

Capacity/Unit: Up to 32 sensors

Antenna: Thread-on Whip Antenna, 2.4 GHz**

Reception Distance: Varies by application* for both the Wi-Fi and Bluetooth signals

Security: TLS 1.2 authentication and encryption of Wi-Fi data. 128 AES for Bluetooth data. Configuration settings and device readings are user/password protected.

Environmental Operation Range:

Temp: -4 to 158°F (-20 to 70°C)

Humidity: 10 to 90%RH, non-condensing

Frequency: 2.4 GHz** (Bluetooth Low Energy)

Receiver Sensitivity: -97 dBm

Mounting: Wall or surface mount

Enclosure Material: Powder coated steel

Agency: RoHS / FCC: T4FSM211221 / IC: 9067A-SM211221

*In-building range is dependent on obstructions such as furniture and walls and the density of those materials. In wide open spaces, the distance may be greater; in dense spaces, the distance may be less.

**The gateway communicates with 2.4 GHz Wi-Fi and will not work on 5.0 GHz networks.

