

# Healthy Home (IAQ) Sensor

Doc ver.: BQW\_03\_0021.001



## Features

- EU, US, and Asia frequency supported
- LoRaWAN 1.0.3
- Integrated IAQ sensor (Bosch BME680)
- IP40 equivalent
- 0 to 50°C operation temperature range

The Tabs Healthy Home sensor utilizes LoRaWAN connectivity to communicate the Temperature, Relative Humidity and Volatile Organic Compound levels of the surrounding environment. The intended use is to place the sensor within a room to determine if the air quality, temperature, and humidity are ideal.

## Specification

<b>Frequency</b>	868MHz & 915MHz
<b>RF TX power</b>	US: +19dBm EU: +17dBm
<b>Antenna Gain</b>	-2dBi Peak, -5dBi Avg
<b>RF Sensitivity</b>	-135dBm
<b>Battery Type</b>	3.6V ½ AA Li-SOCl <sub>2</sub> , 1200mAh
<b>Battery Lifetime*</b>	Up to 16 months
<b>Average Current</b>	135mA maximum/ 100uA minimum
<b>Protocol</b>	LoRaWAN 1.0.3
<b>Operation Temperature</b>	0 to 50°C
<b>Environmental Rating</b>	IP40 equivalent
<b>Dimensions</b>	50mm x 20mm x 50mm
<b>Weight</b>	30g without battery 40g with battery
<b>Sensor</b>	Temperature & Relative Humidity, Indoor Air Quality
<b>Type Approval</b>	CE/FCC/IC

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## SKU Detail

SKU	Country	Channels	Frequency Band (MHz)
TBHV110-868	Europe	8	EU868 (862~870)
TBHV110-915	USA	16	US915 (902~928)

\* Samples are also available for IN865, AS923, AU915, KR920.