

Healthy Home (VoC) Sensor



Features

- EU, US, and Asia frequency supported
- LoRaWAN 1.1
- Ensures indoor air quality conditions
- Integrated VoC sensor

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

Frequency	868MHz & 915MHz
RF TX power	+19dBm (Conducted)
Antenna Gain	-2dBi Peak, -5dBi Avg
RF Sensitivity	-140dBm (Conducted)
Battery Type	3.6V ½ AA Li-SOCl ₂ , 1200mAh
Battery Lifetime*	2 years
Average Current	135mA maximum/ 5uA minimum
Protocol	LoRaWAN 1.1
Operation Temperature	0 to 50°C
Environmental Rating	IP40 equivalent
Dimensions	50mm x 20mm x 50mm
Weight	30g without battery 40g with battery
Sensor	Temperature & Relative Humidity, Volatile Organic Compound

*Assuming TX updates every 20 minutes with SF7 due to close proximity to gateway in home

VoC Sensor



SKU Detail

SKU	Country	Channels	Frequency Band (MHz)
TBHV100-868	Europe	8	EU868 (862~870)
TBHV100-915	USA	16	US915 (902~928)