

# Temperature & Humidity Sensor

## Features

- EU, US, and Asia frequency supported
- LoRaWAN 1.1
- 4 years battery life



The Tabs temperature and humidity sensor is designed for in-home and in-building usage for consumer or facility management applications. The design is optimized for high volume manufacturing, optimal battery lifetime, and pleasing aesthetics for in-building placement.

## 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-SOCI2, 1200mAh
Battery Lifetime*	4 years
Average Current	135mA maximum/ 5uA minimum
Protocol	LoRaWAN 1.1
Operation Temperature	0 to 50°C
Environmental Rating	IP50 equivalent
Dimensions	50mm x 20mm x 50mm
Weight	30g without battery 40g with battery
Temperature Accuracy	+/- 1°C
Humidity Accuracy	+/- 5%

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

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## SKU Detail

SKU	Country	Channels	Frequency Band (MHz)
TBTH100-868	Europe	8	EU868 (862~870)
TBTH100-915	USA	16	US915 (902~928)