

PIR Sensor



Features



- EU, US, and Asia frequency supported
- LoRaWAN 1.1
- Dual Passive Infrared detectors and Fresnel Lens
- 7m detection range

The Tabs PIR & Occupancy sensor detects occupancy or motion in homes or buildings for security purposes. The sensor can also be utilized in facility management systems to optimize facility usage or cleanliness for desks, conference rooms, bathrooms, etc.

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
Detection Angle	123°H x 93°V
Detection Distance	7 meters

*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)
TBMS100-868	Europe	8	EU868 (862~870)
TBMS100-915	USA	16	US915 (902~928)