Motion Sensor (PIR)

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Features

- EU, US, and Asia frequency supported
- LoRaWAN 1.0.3
- Dual Passive Infrared detectors and Fresnel Lens
- 7m detection range
- IP50 equivalent
- 123°H x 93°V detection angle

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	US: +19dBm EU: +17dBm
Antenna Gain	-2dBi Peak, -5dBi Avg
RF Sensitivity	-135dBm
Battery Type	3.6V ½ AA Li-SOCl2, 1200mAh
Battery Lifetime*	Up to 16 months
Average Current	135mA maximum / 100uA minimum
Protocol	LoRaWAN 1.0.3
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
Type Approval	CE/FCC/IC/ANATEL

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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)

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

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