



iPark

Parking Sensor



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Product Description

TST iPark Sensor is especially designed for the detection of vehicles parked in a particular parking space. When the space is occupied the **TST iPark** sensor relays the information through LoRaWan.

LoRaWan Module

The parking sensor is surface mounted onto the road surface, and is easily removed if necessary. With a highly accurate magnetic sensor and vehicle detection algorithms it accurately detects parked vehicles. The **TST iPark** sensor is the optimal monitoring device for on-street and off-street municipal parking.



Technical Specifications

PARAMETER	VALUE
SENSOR	
Detection	3-Axis Magnetic Detection
Output	Occupied / Vacant
MECHANICAL AND ENVIRONMENT	
Operating Temperature	-40°C – +80°C
Operating Humidity	10% – 95%
Load Resistance	Up to 10 Tons
Protection Level	IP68
iPark Sensor Size	H196mm x W196mm x D28mm
POWER SPECIFICATION	
Battery Type	Lithium Battery LiSOC12
Battery Capacity	3.6V/16000mAh
Sleep Current	≤30uA
Tx Current	≤130mA
Battery Life	5 - 10 Years
RADIO SPECIFICATION	
Frequency Bands	AU915
Protocol	LoRaWan CLASS A
Max. Transmit Power	19dBm
Rx Sensitivity	BW = 125kHz, SF=7 Rx Sensitivity: - 125dBm SF = 10, Rx Sensitivity: - 133dBm SF = 12, Rx Sensitivity: - 140dBm





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