IoT monitoring

Wireless Parking Sensor, Magnetic, LoRaWAN or NB-IoT

Model CS-iTVP-05

Battery-powered wireless parking space sensor using anisotropic magnetoresistive sensing, reporting over LoRaWAN or NB-IoT, with IP68 protection and 3-5 year battery life.



Output
Built-in FPC antenna

Frequency
B1/B3/B5/B8/B20

Protection
IP68

Features

- Anisotropic magnetoresistive sensing
- No wiring, easy installation
- Φ178mm×42mm stick-on or Φ86mm×111mm embedded
- PC+ABS shell
- Simple maintenance

Applications

Indoor parking lots, Roadside parking lots, Open parking lots, Illegal parking detection

Specifications

Wireless

Frequency (LoRaWAN)	433MHz/470MHz/868MHz/915MHz/923MHz
Frequency (NB-IoT)	B1/B3/B5/B8/B20
Equipment type (LoRaWAN)	Class A
Antenna interface	Built-in FPC antenna

Electrical

Configuring serial port	9600,n,8,1 (open the product cover and use the serial port for configuration)
Voltage	3.6V (Li battery ER26500+SPC1550)
Battery life	3-5 year
Maximum working current	<300mA

Mechanical

Level of protection	IP68
Material	PC+ABS
Size	Φ178mm×42mm (stick to install) / Φ86mm×111mm (embedded mounting)

Environmental	
Operating temperature (NB-IoT, consumer SIM card)	(-25–+85)°C
Operating temperature (LoRaWAN / NB-IoT, industrial SIM card)	(-45–+85)°C
Storage temperature	(-45–+85)°C

Ordering and support

Pricing, samples, lead time and custom versions: dwinsales@163.com, +86 181 0280 8901.

Guangzhou Dwin Technology Co., Ltd., 4th Floor, Building 2, No. 4 Xingye Road, Xiaowu Second Industrial Zone, Dongyong Town, Nansha District, Guangzhou, China. Specifications are typical values and may change without notice; confirm critical values with DWIN before design-in. Revision 2026-11.