Sharing scooter IOT WD-308

WD-308 is a smart IOT for the sharing E-scooters.The device is equipped with LTE-CATM and GPRS network remote control, GPS real-time positioning, Bluetooth communication, vibration detection, anti-theft alarm and other functions.WD-209 interacts with data from background system and mobile app and can upload real-time status of E-scooters to the server from wireless network and Bluetooth. It also has 3.5-inch IPS screen which can display speed, battery power in real time. It is also equipped with an external camera, which could take photos.

Functions:

--Real time positioning

--Speed display

--Battery status

--Vibration detection

--Remote control

--External camera, which can take scene photos

--Lamp control

--Power off alarm

-- Wireless communication networks

-- External electricity detection

-- Lock motor

-- Serial communication

-- Intelligent voice

Specifications:

Unity machine parameters			
Dimension	Length, width and height:(109.78±0.15)mm × (81±0.15)mm × (31.97± 0.15)mm	**Input voltage range**	12V-72V
Waterproof level	IP65	**Internal battery**	Rechargeable lithium battery：3.7V，600mAh
Sheathing material	ABS+PC,V0 fire protection grade	**Working temperature**	-20 ℃ ~ +70 ℃
Working humidity	20 ~ 95%	**SIM Card**	Dimensions: Medium card (Micro-SIM card)
4G module Performance			

Frequency range	LTE-CAT M1/CAT NB1; EGPRS 850/900/1800/1900MHz	**Maximum transmit power**	23dBm
sensitivity	-107dBm@Cat M1; -113dBm@Cat NB1	**Current**	Standby:15mA; Sleep:1.2mA; network connection: 223 mA(average)
GPS Performance			
Positioning	Support GPS,GLONASS,Beidou	**Tracking sensitivity**	< -157dBm
Starting time	Cold start 31s, hot start 2.7s	**Positioning accuracy**	2.5m
Speed accuracy	0.3m/s	AGPS	Support
Bluetooth Performance			
Bluetooth version	BLE4.0	**Receiving sensitivity**	-90dBm
Maximum receiving distance	30 m, open area	**Loading receiving distance**	10-20m,depending on installation environment

Installation:

The device connects the controller, headlight and horn according to the corresponding interface. When the E-scooter battery has electricity, the device will automatically turn on. After the device turn on,the screen display startup interface.The screen goes out after 5 seconds when no one is using it. Inside the device，there are 3 LED indicator lights to indicate whether the terminal function is normal. Because the indicator lamp is inside the device, it must be removed to see, easy to debug and maintain.