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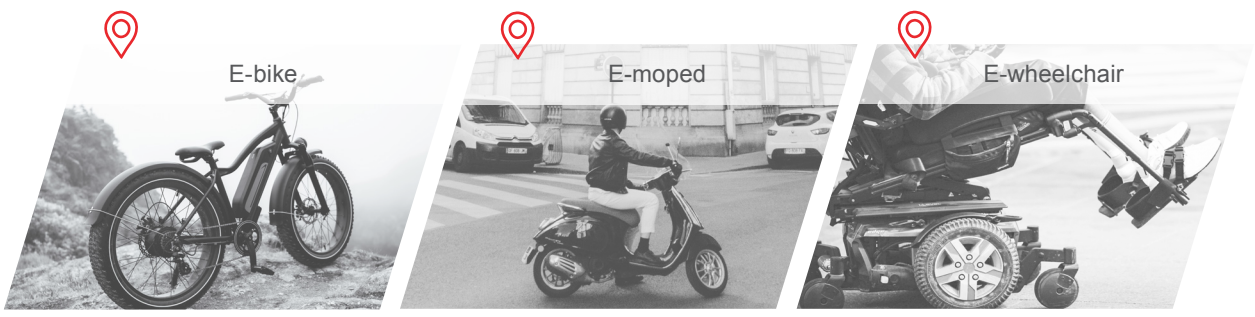
SC350MG

LTE CAT M1/NB2 Compact E-bike GNSS Tracker Supporting BLE 5.2

- LTE Cat M1/NB2 with 2G fallback
- Water Resistant
- ECU Data Reading
- Wide Voltage DC 8-60V
- Compact Size
- Scheduled Timing Report
- Geo-fences
- Motion Detection
- Low Power Alarm
- OTA Control

88.5 g	95(L) x 45(W) x 16.2(H) mm
-20°C ~ +70°C	Operating Voltage: 8 ~ 60V DC Li-Polymer, 500 mAh

The SC350MG is a water-resistant GNSS tracker designed specifically for E-bikes. The device performs a variety of telematics functions. Its compact size allows for easy, covert installation. SC350MG features a wide voltage range, BLE and vibration detection. It also has the ability to collect data or remotly control E-bikes via CAN or UART port, with which it can communicate with vehicle controllers, instruments, and battery management systems, enabling intelligent E-bike management.



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General Specifications

Dimensions	95 (L) *45 (W) *16.2 (H) mm
Weight	88.5 g
Operating Voltage	8 ~ 60V DC
Backup Battery	500mAh li-polymer battery
Operating Temperature	-20℃ ~ +70℃
Sensor	3 axis acceleration, for motion detection
Water Resistant	IPX5

Interfaces

CAN	1 x CAN high & CAN low Support reading ECU data* ECU type supported: Bosch, Bafang * Need to be customized based on the ECU type
Serial Ports	1 x UART Support reading ECU data* ECU type supported: Rhino2 * Need to be customized based on the ECU type
Digital Outputs	2 x digital outputs
Digital Input	1 positive trigger input for ignition detection
BLE	BLE 5.2, for unlocking E-bike

LTE Specification

Region	Worldwide
Technology	LTE Cat M1/NB2 with 2G fallback
Operating Band	LTE-FDD: Cat M1: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28 /B66/B85 Cat NB2: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71 /B85 GSM/GPRS: 850/900/1800/1900 MHz

GNSS Specifications

GNSS Type	U-blox All-in-one GNSS Receiver
Sensitivity	Autonomous: -147 dBm Hot Start: -156 dBm Reacquisition: -160 dBm Tracking: -162 dBm
Position Accuracy (CEP)	Autonomous: < 2.5m
TTFF (Open Sky)	Cold Start: 30 seconds average Warm Start: 27 seconds average Hot Start: 1 second average