



AVT50

LTE CAT 1 Compact Vehicle Tracker with 2G FALLBACK

Compact, Waterproof Multiple I/O



 LTE Cat 1 with Fallback to 2G

 Waterproof, IP67

 Operating Voltage: 7-90 V DC

 6 – axis accelerometer

 Li-Polymer, 150mAh

 BLE 5.3



LIGHT
VEHICLES



MOTORBIKES




SCOOTERS

AVT50 is a waterproof Assistant Telematics device with five-wire connectivity, designed for light vehicles, motorcycles, scooters, and e-bikes. The tracker supports a wide power supply range of 7-90 V.

The device includes one Positive Input (Ignition), one Negative Input or Analog Input (Multiplexing), and one Output. It features a built-in 150 mAh internal battery and supports a power-saving mode when RF and GNSS are disabled. Additionally, it has integrated BLE technology, which supports BLE accessories such as temperature and humidity sensors, BLE relays, and beacons.



 100 (L) x 45 (W) x 18 (H) mm

 101 g

Network

Quectel EG915UEU LTE Cat1 fallback 2G

4G bands B1/3/5/7/8/20/28

2G bands B2/3/5/8

GNSS

Unicore C6226 GPS, BDS, GLONASS Galileo, QZSS, SBAS

Positioning accuracy horizontal < 2.0 m

Hot Start < 1 s

Cold Start < 28 s

Tracking sensitivity -160 dBm

Data Update Rate 1 Hz

BLE

Goodix GR5526 BLE Low-power Bluetooth 5.3

Accelerometer

ICM-42607-C 6 – axis accelerometer

Power/Battery

Input voltage range 7-90 V

Li Polymer, 150 mAh
 Report every 10 min – 24 hours (1 day)
 Report every 1 hour – 72 hours (3 days)
 Report every 12 hour – 240 hours (10 days)

Operating Environment

IP rating IP67

Operating temperature -30°C to +75°C

Interface/Others

Digital Inputs 2 1 Ignition input
 1 Digital negative input analog input multiplexing

Digital Output 1

USB type C Power the unit and use for configuration

SIM 4FF, compatible eSIM

Memory 4 MB

LED indication Power, Network, GNSS, CAN

Certification

CE, Emark