



AVT20

LTE CAT 1 Battery Mounted Tracker with 2G FALLBACK

Easy to install – no expertise or equipment needed



LTE Cat 1 with Fallback to 2G



Waterproof, IP67



Operating Voltage: 7-90 V DC



6 – axis accelerometer



Li-Polymer, 250 mAh



BLE 5.3



LIGHT
VEHICLES



MOTORBIKES



INSURANCE
TELEMATICS

AVT20 is an Assistant Telematics device with two-wire easy installation and a waterproof design, developed for light vehicles, motorcycles, scooters, and e-bikes. The tracker supports a wide power supply range of 7-90 V.

The device features a built-in 250 mAh internal battery and supports a power-saving mode when RF and GNSS are disabled. Additionally, it comes with integrated BLE technology, allowing compatibility with 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, 250 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)

Power Consumption (Ignition OFF)

Normal Power Saving Mode 12V - 9.4mA | 24V - 4.09mA | 48V - 2.87mA | 60v - 2.47mA

Low Power Saving Mode 12V - 1.369mA | 24V - 834uA | 48V - 605uA | 60v - 2575uA

Operating Environment

IP rating IP67

Operating temperature -30°C to +75°C

Interface/Others

USB type C Power the unit and use for configuration

SIM 4FF, compatible eSIM

Memory 4 MB

LED indication Power, Network, GNSS

Certification

CE, Emark