



# AVT110T/AVT111T

LTE CAT 1 Advanced Vehicle Tracker with 2G FALLBACK

CANbus, Live Tachograph Data and DDD Files Download



 LTE Cat 1 with Fallback to 2G

 Waterproof, IP67

 1-Wire Interface

 CANbus Data and DDD Files Download

 DTC – Diagnostic Trouble Code (Light Vehicle)

 CAN 3 CAN interfaces (2 CAN & K-line)

 BLE 5.3



LIGHT VEHICLES



HEAVY MACHINERY



TRUCKS

AVT110T/AVT111T is a waterproof Assistant Telematics device designed for light and heavy machinery, trucks, trailers, and motorcycles. The tracker supports all Tachograph models and has included three CAN interfaces (2 CAN + K-line). It allows DDD file downloads, offers the option to receive real Tachograph data regardless of ignition status. It also reads DTC codes from light vehicles.

Both trackers have built-in BLE and multiple interfaces, supporting BLE accessories. The trailer version includes a 2000 mAh.

Additionally, thermograph and TPMS readings are supported via the RS-232 serial port. The device includes 1-wire support for temperature monitoring and ID authentication.



55 (L) x 111 (W) x 26 (H) mm



161 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

**Power/Battery**

Input voltage range 7-32 V

Li Polymer, 150 mAh  
 Report every 10 min – 24 hours (1 day)  
 Report every 1 hour – 50 hours (2 days)  
 Report every 12 hour – 210 hours (8 days)

Li Polymer, 2000 mAh  
 Report every 1 hour – 960 hours (40 days)  
 Report every 6 hour – 1440 hours (60 days)  
 Report every 12 hour – 1680 hours (70 days)  
 Report every 24 hour – 3120 hours (130 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	
1-wire	1	
RS232	1	
CAN	2	Switchable CAN terminators
K-line	1	
USB type C		Power the unit and use for configuration
SIM		3FF, compatible eSIM
Memory		4 MB
LED indication		Power, Network, GNSS, CAN

**Certification**

CE, Emark