



AVT110/AVT111

LTE CAT 1 Advanced Vehicle Tracker with 2G FALLBACK

CANbus data reading and optional battery



 **LTE Cat 1 with Fallback to 2G**

 **Waterproof, IP67**

 **1-Wire Interface**

 **CANbus Data**

 **DTC – Diagnostic Trouble Code
(Light Vehicle)**

 **BLE 5.3**



**LIGHT
VEHICLES**



**HEAVY
MACHINERY**



TRUCKS

AVT110/AVT111 is a waterproof Assistant Telematics device designed for light vehicles, heavy machinery, trucks, trailers, and motorcycles. The tracker features two CAN interfaces and supports CANbus data reading. It also reads DTCs from light vehicles.

The trailer version includes a 2000 mAh battery and supports a power-saving mode when RF and GNSS are disabled.

Additionally, thermograph and TPMS readings are supported via the RS-232 serial port, and 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
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