



AVT131

LTE CAT 1 Trailer Tracker with 2G FALLBACK

Optional Battery Choice



 LTE Cat 1 with Fallback to 2G

 Waterproof, IP67

 Li-Polymer, 2000 mAh

 1 RS232 Serial Port

 1-Wire Interface

 BLE 5.3



LIGHT
VEHICLES



TRAILERS



TRUCKS

AVT131 is a waterproof Assistant Telematics device designed for trailers, heavy machinery, reefers, and flatbed trucks. It meets IP67 standards and is ideal for projects requiring long battery life. The device supports two battery options:

- With a 2000mAh battery and one report per day, it can operate for approximately 130 days without external power.
- With a 3000mAh battery and one report per day, it can operate for around 180 days without external power.

The tracker features built-in BLE and multiple interfaces, supporting BLE. Additionally, thermograph and TPMS readings are supported via the RS-232 serial port, and the device includes a 1-Wire interface 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, 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)

Li Polymer, 3000 mAh Report every 24 hour – 4320 hours (180 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	
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