# W2-AT04

## GPS VEHICLE TRACKER




A compact, water-resistant GSM/GPRS vehicle tracking terminal with multi-constellation GNSS, Bluetooth Low Energy and RS232 connectivity. Designed for fleet visibility, external device integration and fuel-monitoring applications.

## PRODUCT HIGHLIGHTS

- IP67-rated water- and dust-resistant enclosure
- RS232 interface for fuel monitoring and external data devices
- 800 mAh internal Li-ion backup battery
- Bluetooth 4.0 + LE for compatible sensors and peripherals
- GPS, GLONASS, Galileo, BeiDou, QZSS and NavIC IRNSS (India variant)
- 2 digital inputs, 2 digital outputs and 2 configurable analog/digital inputs

## APPLICATIONS

Public transport | Taxi transport | Public safety fleets | Car rental | Heavy-duty transport | Fuel monitoring

## TECHNICAL SPECIFICATIONS

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|---|---|
| Module / technology | Teltonika TM2500; GSM / GPRS / GNSS / Bluetooth LE (reference datasheet) |
| GNSS module | Airoha AG3335MN |
| GNSS constellations | GPS, NavIC IRNSS (India), GLONASS, Galileo, BeiDou, QZSS |
| GNSS receiver | L1 and L5 dual-band (L5 for India only) |
| Tracking sensitivity / accuracy | -162 dBm / less than 2.5 m CEP |
| Velocity accuracy | Less than 0.1 m/s (within +/-15% error) |
| GNSS starts | Hot less than 1.5 s; warm less than 25 s; cold less than 32 s |
| Cellular | 2G GSM quad-band: 850 / 900 / 1800 / 1900 MHz |
| GPRS / SMS | GPRS Multi-Slot Class 12 (up to 240 kbps), MS Class B; SMS text/data |
| Power input | 10-30 V DC; overvoltage and reverse polarity protection |
| Backup battery | 800 mAh Li-ion (0.49 Wh) |
| Bluetooth | 4.0 + LE |

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|---|---|
| Bluetooth peripherals | Temperature/humidity sensor, headset, OBDII dongle, barcode scanner and universal BLE sensors |

## INTERFACES, MECHANICAL & ENVIRONMENT

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| Digital inputs / outputs | 2 digital inputs; 2 digital outputs |
| Configurable inputs | 2 analog inputs / digital inputs |
| RS232 / USB | 1 x RS232; USB 2.0 Micro-USB |
| SIM | Micro-SIM or eSIM |
| Antennas | Internal high-gain GNSS and cellular antennas |
| Memory / LED | 128 MB internal flash; 2 status LEDs |
| Dimensions / weight | 72.5 x 73 x 27.3 mm; 205 g |
| Operating / storage temperature | -40 to +85 C (without battery) |
| Humidity / ingress protection | 5%-95% non-condensing; IP67 |
| Current draw at 12 V | Ultra deep sleep less than 1.4 mA; deep sleep less than 3.9 mA; online deep sleep less than 4.6 mA; GPS sleep less than 7.1 mA; nominal less than 28.3 mA |
| Regulatory - reference datasheet | Europe: CE RED, UKCA, E-Mark, RoHS, REACH; India: EAC listed in approvals table |

**For more information or Sales related queries, please contact W2track Team & visit us at www.w2track.com**