Kingwo IoT

LT02G
4G Mini Tracker

The LT02G 4G mini vehicle tracker is a compact, wired solution for professional fleet and motor vehicle management. Its ultra-wide 9-100V DC input powers reliable GPS & LBS positioning across major Asian 4G networks. Featuring integrated motion detection, geo-fence alerts, and mileage calculation.

Applications

Fleets Tracking

Car Rental

Motorbike Tracking

Ultra-Wide Voltage Input
9-100V DC input range ensures reliable operation in various vehicles or machinery.

GPS & LBS Positioning
Reliable positioning solution leveraging both satellite and terrestrial technologies.

4G LTE Network
Compatible with major Asian 4G networks, supporting both FDD and TDD standards.

Motion Detection
Built-in G-sensor supports vibration alerts and driving behavior analysis.

Geo-fence Guard
Configurable virtual zones to provide immediate notification of boundary crossing.

Mileage Calculation
Support mileage calculated based on GPS and report to the backend.

GNSS

Positioning system	GPS, LBS with AGPS
Frequency	GPS L1: 1575.42 MHz
Positioning accuracy	5-10 m (5m CEP)
Tracking sensitivity	-162 dBm
Acquisition sensitivity	-148 dBm
TTFF (open sky)	Avg. cold start ≤ 35 sec Avg. hot start ≤ 2 sec

Cellular

Communication network	4G LTE
Frequency	TDD LTE: B34, B38, B39, B40, B41 FDD LTE: B1, B3, B5, B8

Power

Battery	60 mAh 3.6 V rechargeable Li-poly battery
Input voltage	9-100V DC
Battery protection	200V reverse connection protection, main power voltage detection
Operating current	Active < 30 mA @ 12V DC Sleep < 5 mA @ 12V DC

Interface

LED indication	Cellular (Green), GNSS (Blue), Power (Red)
SIM	Nano-SIM
Data storage	400-packet offline storage capacity
Connector	2PIN/4PIN
Antenna	Internal GNSS ceramic antenna & 4G antenna
Tamper proof	Main power cut alarm

Physical specification

Dimensions	L76 x W28 x H14 mm
Weight	30g

Operating environment

Temperature	Operating temperature: -20℃ ~ +70℃ Storage temperature: -40℃ ~ +85℃
Operating humidity	5% ~ 95%
IP rating	IP54